

PHASE I ENVIRONMENTAL SITE ASSESSMENT

26.0 Acre Vacant Lot 2600 Duncan Road Lafayette, Indiana Parcel # 158-17200-0162

Prepared For:

Mr. E. Dana Smith, Acting Director Greater Lafayette Community Development Corporation 337 Columbia Street P.O. Box 348 Lafayette, IN 47902-0348

Report Date: October 27, 2008

Prepared by:

IWM Consulting Group, LLC 7428 Rockville Road Indianapolis, IN 46214 Phone No. (317) 347-1111 Fax No. (317) 347-9326

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EXECUTIVE SUMMARY

This updated Phase I Environmental Site Assessment (ESA) of the unused lot located at 2600 Duncan Road in Lafayette, Indiana (herein referred to as the Property) was conducted in general accordance with American Society for Testing and Materials (ASTM) E1527-05 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (referred to as ASTM E1527). This inspection included project site boundaries and other open areas and a reconnaissance of surrounding properties.

The following is a brief summary of our report. Please refer to the full text of this report in its entirety for a comprehensive understanding of the information presented in this Executive Summary, as specifics are not fully discussed in this section.

Current Site Conditions

A re-inspection of the site occurred on October 21, 2008. The Property characteristics are similar to the initial inspection conducted on March 19, 2008. The Property consists of a 25.585 acre rectangular-shaped lot with large open undulating fields and partially wooded areas. The southern and northwestern portions of the property are heavily wooded; the remaining portions of the site are heavily overgrown with tall grasses, weeds and shrubs. During the initial site walk on March 19, 2008, a large swale was noted in the east-central portion of the site. The swale was approximately 30 feet wide and 100 feet long and oriented southwest to northeast. In September 2008, it was confirmed that the swale was a former dump site for miscellaneous metal and plastic debris (construction debris) and general trash items. Subsequently, the Property owner had the trash and debris excavated from the swale and staged in piles near the over-excavated swale for later removal. During the re-inspection of the site, several tall piles of soil, cleared wood debris piles and general trash piles were noted around the over-excavated swale area. The excavation remains open at this time and has not been backfilled. The Property is enclosed by a chain link fence.

Historical Summary

According to the historical aerial photograph review, the Property appears to have contained a single residential structure from 1939 through 1998. There was evidence of excavation activities in the east-central portion of the Property in the 1971 aerial photograph. The central and west sections of the Property were also used as a golf course in 1971. The Property address was unlisted from 1941 through 2006 in the city directories. Historical Fire Insurance Maps were



unavailable for review.

Regulatory Review Summary

The federal and state database record search revealed that the following facilities were identified within their respective ASTM recommended search radii of the site:

Federal Database

Tippecanoe Sanitary Landfill, Inc., 2801 N. 9th Street – CERCLIS/NPL Facility Old Monon Rail Rebuilding Shop, 1750 Monon Ave – CERCLIS Facility Lafayette Instrument Co Inc, 3700 N Sagamore Pkwy N – CERCLIS-NFRAP Facility Pickering Property, 2453 N 9th Street – CERCLIS-NFRAP Facility MLS Liquidating Trust, 810 Widewater Dr. – RCRA CESQG Facility

State Database

Mechanic's Laundry & Supply Inc (Hudlow's), 810 Widewater Drive / 2438 and 2610 N. 9th Street – Voluntary Cleanup Site

Ed Grace Company, 2601 N 9th Street – Registered UST Facility

Central Ind. Glass & Glazing, 2632 A N 9th St. – Registered UST Facility

Tippecanoe Sanitary Landfill, Inc., 2801 N. 9th St. – Landfill Facility

Siemens Power Transmission / Landis & Gyr, 3601 Sagamore Pkwy N- Voluntary Cleanup Site

Oscar Winski Co., 2407 Canal Rd. – Registered LUST Facility

CSX Bids Terminal, 2934 Sagamore Pkwy N – Registered LUST Facility

Marsh Village Pantry #502, 1901 Schuyler Ave.- Registered LUST Facility

Shaffer Trucking Inc, 2009 N. 9th St – Registered UST and LUST Facility

Phillips 66, 2680 US 43 S – Registered UST and LUST Facility

M & M Budget Motor, 1601 Canal Rd – Registered UST and LUST Facility

Goris Property, Canal and Greenbush Rd – Registered UST and LUST Facility

Tippecanoe County Transfer & Recycling, 2770 N. 9th St - Registered State Waste Facility/Landfill

Lots 1-11 Widewater Industrial Park, U.S. Brownfields

Based on the distance, current status or further investigation of the listed database facilities, IWM Consulting does not regard these site locations as RECs in relation to the Property. The off-site facility (former Mechanic's Laundry & Supply - adjacent property to the south) is considered an historical REC at this time.

Interview Summary

Interviews with Owner, Property Manager and/or Occupants

Interview with Mr. Steve Shook, Owner Representative: According to Mr. Steve Shook, representing agent of the owner of the Property since 1998, the southern adjacent property, former Mechanics Laundry, may be an environmental concern. He was unaware of any former landfill activities on the Property. He is not aware of any environmental liens on this property. He is aware of the findings presented in the 1998 Alt & Witzig Phase I ESA report and more recent activities conducted by IWM Consulting. Otherwise, he is not aware of any indicators that point to the presence or likely presence of contamination at the Property based on personal knowledge or experience.



Interviews with Local Government Officials

Interview with Mr. Dan Teder, Attorney for the Reiling, Teder & Schrier, LLC representing Tippecanoe County: According to Mr. Dan Teder, the Property was formerly owned by the Ed Grace Company and had been used as a residence or clubhouse for a small private golf course. He indicated the southern adjacent property, former Mechanics Laundry, may be an environmental concern. He is still unaware of any indicators that point to the presence or likely presence of contamination at the Property based on personal knowledge or experience. He was unaware of any landfill activities on the Property until later investigations had shown that the swale area was used for disposal of trash, metal and plastic debris. He is not aware of any environmental liens on this property.

IWM Consulting contacted the Lafayette City Fire Department regarding known adverse environmental conditions at the Property. According to Ms. Samantha Taylor, no additional or known environmental concerns have been reported for the Property within her database.

The Tippecanoe County Health Department (TCHD) was interviewed regarding information relevant to the environmental condition of the Property. Mr. Ron R. Noles, TCHD, had originally stated that a septic tank may exist on the Property. There have been no updates in the TCHD database regarding this site location. No other known adverse environmental conditions have been reported.

Findings and Opinions

The original findings and opinions presented in the initial Phase I ESA conducted by IWM Consulting on April 2, 2008 are presented below. A subsequent follow-up to each REC with new opinions is also provided.

• The previous Phase I ESA conducted by Alt &Witzig in 1998 stated that a fill pipe and vent pipe associated with a heating oil UST were observed extending from the basement on the north side of the former two-story residence/clubhouse. The previous Phase I ESA indicated that access to the basement of this building was not provided; therefore, there was no indication as to whether the heating oil tank in question was in fact a UST or AST. IWM Consulting was unable to verify the closure status (i.e. removal) of the heating oil tank in the basement of the former two-story residence/clubhouse; therefore IWM Consulting considers the former UST or AST as a REC.

Follow-Up Activities

IWM Consulting installed two soil borings in the approximate area of the former twostory residence/clubhouse building and collected soil and groundwater samples for the laboratory analysis. No petroleum hydrocarbons were detected in the soil or groundwater.

According to the previous February 25, 1992, Heritage Remediation/Engineering, Inc. Site Activities Letter Report (which was also summarized in the 1998 Alt & Witzig Phase I ESA), a former landfill or dump was located northwest of the former two-story residence/clubhouse. The report indicates that 585 tons of waste were removed from this landfill area; however, between 2 and 6 feet of waste were left in the bottom of the excavation. The removed waste consisted of general refuse from the former two-story residence/clubhouse and Ed Grace Company, Inc. which included refrigerators, water



heaters, tires, chemical containers, wood products and general refuse. Visual observations and in-field soil screening evaluations were conducted; however, no confirmatory soil or groundwater sampling was performed during this investigation. IWM Consulting considered this to be a REC. IWM Consulting was unable to confirm the exact location of this landfill activity; however, the former landfill appears to coincide with the large swale in the east central area of the Property. IWM Consulting considers the swale area to be a REC.

Follow-Up Activities

It was later confirmed in September 2008 by initial test trenching activities that the swale area was indeed used as a former dump site for miscellaneous construction debris and general trash items. Nonetheless, IWM Consulting had installed three soil borings in July 2008 around the perimeter of the swale area or former dump site and collected soil and groundwater samples for laboratory analysis. All of the soil samples submitted for analyses of adsorbed VOCs, TPH-GRO, TPH-ERO, cPAHs, RCRA-8 Metals, and PCBs had concentrations less than the corresponding RISC RDCL or laboratory reporting limit.

All of the groundwater samples submitted for analyses of dissolved VOCs, TPH-GRO, TPH-ERO, cPAHs, and PCBs had concentrations less than the corresponding RISC RDCL or laboratory reporting limit. Total arsenic, lead, cadmium, and chromium concentrations were detected in unfiltered groundwater samples at concentrations in excess of the corresponding RISC RDCL. The groundwater samples were very turbid due to the fact that the samples were obtained from temporary piezometers and had to be collected using dedicated bailers as opposed to a low flow sampling pump. These metals can naturally occur in unconsolidated deposits throughout the Midwestern United States and are not necessarily indicative of a hazardous waste spill/release.

During the time period September through October 2008, a significant amount of trash and construction debris was removed from the swale location and staged on-site. Site observations and confirmatory soil analytical results indicate that this area of the Site has not been adversely impacted from a hazardous waste spill/release. The excavation extended to depths beyond that native soil/trash interface and no additional trash/debris is known to exist at the Property.

Additionally, the analytical results of the over-excavated swale confirmatory soil samples and the background soil samples have determined that the adsorbed arsenic concentrations observed at the Property are also indicative of background metal concentrations. The background metal concentrations naturally occur in unconsolidated deposits throughout the Midwestern United States and are not necessarily indicative of a hazardous waste spill/release.

Based on site observations and analytical data obtained at the Property during the July 2008 investigation and subsequent soil/debris excavation activities in September 2008-October 2008, subsurface site conditions do not indicate evidence of a hazardous or petroleum release in relation to the former dump site.

• IWM Consulting considered the off-site property to the south (Former Mechanic's Laundry - VRP No. 69080705) as a REC. In fact, several monitoring wells in conjunction with the Former Mechanic's Laundry facility are located south of the Property in the adjoining asphalt parking area. It appears that dissolved VOC



concentrations have been detected in the groundwater from the closest, off-site monitoring well location (MW-2). The Property appears to be hydraulically cross-gradient of the VOC source area (Former Mechanic's Laundry). A groundwater plume map, completed by consultants retained by the Former Mechanic's Laundry facility, indicated the possibility that dissolved VOCs may have migrated onto the south-central portion of the Property.

Follow-Up Activities

IWM Consulting installed three soil borings near the southern boundary of the Property and collected soil and groundwater samples for the laboratory analysis of VOCs. No VOCs were detected in the soil or groundwater. The former Mechanic's Laundry facility is considered an historical REC.

• If necessary, a comprehensive Phase II Subsurface Investigation would need to be conducted to determine if the Property has been further impacted by past on-site and off-site operating activities, in the areas along the south boundary of the Property; and in the proximity of the former heating oil UST or AST and swale location.

Follow-Up Activities

A subsequent Initial Assessment (Phase II Subsurface Investigation) was conducted at the Property. Based on site observations and analytical data obtained at the Property during the July 2008 investigation, subsurface site conditions do not indicate evidence of a hazardous or petroleum release in relation to the former dump site, heating oil UST or AST, and adjacent off-site facility to the south.

It is also IWM Consulting's opinion that sufficient evidence exists to classify the environmental conditions listed below as *de minimis* conditions. A *de minimis* condition is a condition that would not generally be the subject of an enforcement action(s) but may be of environmental interest. IWM Consulting is providing additional recommendations to address possible concerns that were either previously identified and are still relevant or new concerns identified during the recent re-inspection of the Property.

• During the previous site reconnaissance, IWM Consulting observed abandoned farm machinery, a battery, several empty quart-size motor oil containers and an antifreeze container on the northeastern area of the Property. Additionally, an empty 55-gallon drum and empty propane container were observed on the east central portion of the property directly east of the swale. The 55-gallon drum, propane container, battery, empty containers and farm machinery should be properly disposed of off-site.

Follow-Up Activities

The items previously identified in the noted areas appear to have been removed and were not observed during the recent site visit. It is possible that these items were incorporated within the larger trash/debris piles identified during the re-inspection of the Property.

• Shambaugh & Sons, Inc. Contractors and Engineers (Shambaugh & Sons) is located directly north of the Property. Seven 55-gallon drums, six safety cans, twelve propane containers, and three gas canisters are stored along the southern boundary of the Shambaugh & Sons property and are in close proximity of the Property. No surface staining or leaking was evident in relation to the off-site containers; however, the proximity of the chemical containers is still considered a *de minimis* condition.



- The Lafayette Municipal Golf Course is adjacent to the west/southwest of the Property. An approximately 250 gallon AST was observed on this property. No surface staining or leaking was evident in relation to the off-site AST; however, the proximity of the AST is still considered a *de minimis* condition.
- Several piles of construction debris/trash items and soil overburden were noted near the over-excavated swale or previous dump site location. The identified piles should be properly removed and disposed off-site and are considered a *de minimis* condition.
- The excavation remains open at this time and will remain open until site development activities occur at the Site. Once the excavation is backfilled, the onsite developer should ensure that the backfilled excavation meets the required geotechnical compaction requirements for the site development activities.
- All of the stockpiled, segregated native sandy soil should remain onsite during development activities or be characterized through sample collection and laboratory analysis if the material must be transported and disposed offsite.
- Consideration and pre-planning should occur regarding any other subsurface waste materials or former building materials encountered at the Property, especially if any structures will be constructed in these areas of the Property.

Conclusions

It is the opinion of IWM's Environmental Professional that this environmental site assessment has not identified other potential conditions indicative of historical releases or threatened releases of hazardous substances at the Property from possible on-site and off-site sources.

This summary is provided for the reader's convenience and is part of the appended report. Interpretation of this summary should be considered incomplete without reviewing the full Phase I ESA report and associated appendices. The reader is directed to the report text for additional information regarding areas and conditions of potential environmental concern.



1.0 INTRODUCTION

This updated Phase I Environmental Site Assessment (ESA) was prepared for the Greater Lafayette Community Development Corporation [GLCDC- (Client)] for the Property located primarily at 2600 Duncan Road in Lafayette, Indiana (Property). Our services were conducted in general accordance with the American Society for Testing and Materials (ASTM) E1527-05 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (referred to as E1527).

1.1 Purpose

The purpose of this ESA was to determine the existence of "Recognized Environmental Conditions" (RECs) in connection with the Properties using an approach generally conforming to ASTM E1527-05. RECs are defined in E1527-05 as the "presence or likely presence of any hazardous substances or petroleum products on a Property under conditions that indicate an existing release, a past release, or material threat of a release of any hazardous substances or petroleum products into the structures on the Property or into the ground, ground water, or surface water of the Property." RECs include hazardous substances or petroleum products even under conditions in compliance with laws but do not include "de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." Conditions determined to be de minimus are not RECs.

1.2 Scope of Services

The Scope of Services generally includes a review of historical records and regulatory database information, a reconnaissance of the Property and adjoining properties, interviews (historical and with those currently familiar with the Property, where available), and preparation of a report.

Records are reviewed given that these are "reasonably ascertainable." ASTM 1527-05 defines "reasonably ascertainable" as "information that is publicly available, obtainable from its source within reasonable time and cost restraints, and is practically reviewable." The document examination may include the following tasks (refer to the agreed-upon scope of work):

- Review of aerial photographs, City Directories and Fire Insurance Maps of the Property and adjoining properties. If these are not available, the Report will include a statement regarding the lack of availability.
- Review of title records provided by the Client, unless otherwise agreed.
- Review of regulatory database provider report of federal, state, and local listings for the Property and
 other properties/facilities found within the search radii specified by ASTM, including the National
 Priority List, the Federal CERCLIS list, state hazardous waste priority facilities, RCRA Hazardous
 Waste Activity Notifiers and registered/leaking underground storage tank records.

The Reconnaissance typically includes the following tasks:

 Visual observations of the Property and exteriors of buildings thereon to identify indications of RECs, such as above ground and underground storage tanks, stained soil or floor areas, vegetative stress, filled areas, waste or material dumping. Interviews with the current owner and/or key Property manager or other person as designated by the owner regarding the Property's current and past uses and information of environmental significance.



- Inquiries to appropriate local government offices, such as the Fire Department.
- Review of available documentation on electrical transformers at the Property, if applicable (e.g., ownership and PCB content).
- Observations of adjoining properties (from Property boundaries and public rights-of-way).
- Photographic documentation of the Property.
- Preparation of a Property diagram.
- Photographic documentation and site diagrams are additional services that are not required by the ASTM E-1527 Standard and are at the discretion of the Environmental Professional and Client.

1.3 Standard of Care and Reliance

These Phase I ESA services were performed in a manner consistent with good commercial and customary standards and practices as applied by other consultants conducting similar investigations in the same geographic area during the same time period. No warranties, express or implied, are intended or made. Unless otherwise agreed, this ESA was prepared for the exclusive use and reliance of the GLCDC for a period not exceeding 180 days from the date of the work performed, subject to the limitations expressed herein. Reliance on the contents of this report after 180 days is at the sole risk of the user. Any use of this Phase I ESA or the information contained herein by persons or entities other than the Client (without the express written consent of the Client and IWM Consulting) will be at the sole risk and liability of Client.

1.4 Limitations and E1527 Exceptions of the Assessment

Findings, Conclusions and Recommendations referenced herein are based upon and limited to those observations made during the listed Reconnaissance date.

The site area included in this ESA was based upon available property lines, site surveys, property plat maps, and verbal descriptions provided to IWM Consulting by the Client and field observations (roadways, utilities, mow lines, etc.) observed by IWM Consulting's representative during the site reconnaissance. The information regarding the adjoining properties was obtained by visual reconnaissance from the subject site and/or public roads, and information obtained from record reviews and interviews with representatives of the site owner.

As indicated in the ASTM E 1527 the "...practice does not impose on the environmental professional the responsibility to undertake a review of recorded land title records and judicial records for environmental liens or activity and use limitations (AUL)." As indicated in IWM Consulting's proposal, liens and AUL information developed for the Property by others and provided to IWM Consulting prior to the generation of this report would be incorporated into IWM Consulting's review. User information regarding liens and AULs is presented in Section 3.0 of this ESA.

Phase I ESAs are limited to specific inquiries and are based upon records, reviews and opinions rather than invasive testing services. Therefore, IWM Consulting cannot eliminate uncertainty as to environmental conditions at the Property. Nor can we represent that the Property contains no hazardous, petroleum or other products or substances (or other latent conditions) beyond those identified or observed from this scope of work. Information in this report is based upon the Property's current use(s) and information obtained prior to issuance of the final report. IWM Consulting does not warrant the accuracy of information obtained from interviewees or other third party sources of information (such as other environmental firms, database companies or title companies).

This Phase I ESA conforms to the ASTM E-1527-05 Standards.



Please note that no Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with the Property. Referring to the procedures in E1527 will reduce, but not eliminate, these uncertainties. It is possible, therefore, that all RECs or relevant environmental issues may not have been identified. The failure to discover these, using a reasonable and mutually agreed upon scope of services, does not guarantee the absence of such RECs or issues, but only that they were not found as a result of this assessment. The services herein are in no way to be construed or relied upon as a legal interpretation, opinion or advice.



2.0 PROPERTY DESCRIPTION

The Property is located on the Southeast Quarter of Section 16, Township 23 North, and Range 4 West within the Lafayette West Quadrangle of the United States Geological Survey (USGS), Fairfield Township, and Tippecanoe County, Indiana. The Latitude is 40°26'43.21" North and Longitude is 86°53'2.01"West. The Parcel Identification Number for the Property is 158-17200-0162. A brief Legal Description for the parcel is as follows:

Parcel 158-17200-0162:

PT School Lot 9 SEC 16 TWP 23 R4 25.585 A

A re-inspection of the site occurred on October 21, 2008. The Property characteristics are similar to the initial inspection conducted on March 19, 2008. The Property consists of a 25.585 acre rectangular-shaped lot with large open undulating fields and partially wooded areas. The southern and northwestern portions of the property are heavily wooded; the remaining portions of the site are heavily overgrown with tall grasses, weeds and shrubs. During the initial site walk on March 19, 2008, a large swale was noted in the east-central portion of the site. The swale was approximately 30 feet wide and 100 feet long and oriented southwest to northeast. In September 2008, it was confirmed that the swale was a former dump site for miscellaneous metal and plastic debris (construction debris) and general trash items. Subsequently, the Property owner had the trash and debris excavated from the swale and staged in piles near the over-excavated swale for later removal. During the re-inspection of the site, several tall piles of soil, cleared wood debris piles and general trash piles were noted around the over-excavated swale area. The excavation remains open at this time and has not been backfilled. The Property is enclosed by a chain link fence.

The general location of the Property (topographic map) and site map are depicted in Appendices A and B, respectively. Photographs of the Property taken during the Property reconnaissance are presented in Appendix C of this ESA.



3.0 USER-PROVIDED INFORMATION

The U.S. EPA's All Appropriate Inquiry (AAI) places emphasis on "user" obligations. As specified in the ASTM (05) standard, certain responsibilities lie with the "user" of the assessment, who is defined as the party that intends to use the ASTM guidance to perform an assessment. The "user" is generally the purchaser, owner, lender, property manager, or potential tenant. The U.S. EPA's AAI standards clearly state that the person seeking to qualify for CERCLA liability protection (i.e., the user) is uniquely responsible for providing certain information to the environmental professional; specifically (1) a search for environmental cleanup liens filed or recorded against the site, (2) activity use limitations in place on the site, (3) specialized knowledge or experience related to the property or nearby property, (4) relationship of the purchase price being paid for the property to the fair market value, if not contaminated, (5) commonly known or reasonable ascertainable information about the property and (6) any obvious indications pointing to the presence or likely presence of contamination at the property. Although the rule does not require the user to share information with the environmental professional, failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

IWM Consulting included a User Information Questionnaire containing the aforementioned questions as part of the assessment activities. IWM Consulting requested that the Client review and answer the ASTM E1527-05 User Information Questionnaire. The User Information Questionnaire was completed by Tippecanoe County Grant Facilitator ands returned to IWM Consulting prior to the generation of this report. The results are summarized in the following sections and the questionnaire is presented in Appendix D.

Additionally, the Client provided IWM Consulting previous environmental reports in relation to the Property. The previous environmental reports consisted of the following: Heritage Remediation/Engineering, Inc. (HR/E) Site Activities Letter Report-Grace Property dated February 25, 1992; Phase I ESA Report dated February 20, 1998 by Alt & Witzig Engineering, Inc.; Phase I Report 2132 by PHASE I Environmental Engineering dated June 19, 2004; and the IWM Consulting Initial Assessment Report dated August 20, 2008. The User Provided Information is provided in Appendix D. This previous environmental reports are further described in Section 6.5.

3.1 Title Records

Available title records/prior ownership records for the Property were obtained from the Client and from the Tippecanoe County Auditor's and Recorder's Office and reviewed by IWM Consulting. Discussion of the available records is provided in the Historical Information Review section.

3.2 Environmental Liens or Activity and Use Limitations

The information provided in the User Information Questionnaire did not indicate knowledge of any AULs, such as, engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law. Additionally, the information provided in the User Information Questionnaire did not indicate knowledge of environmental cleanup liens against the Property that are filed or recorded under federal, tribal, state, or local law. The questionnaire indicated that a search was not performed and none were discovered during this Phase I ESA.

3.3 Specialized Knowledge

The client informed IWM Consulting that he has limited specialized knowledge or experience material to identifying RECs related to the Property. The information is summarized in the client completed ASTM



E1527-05 User Questionnaire. A copy of the completed questionnaire is provided in Appendix D.

3.4 Valuation Reduction for Environmental Issues

The Client informed IWM Consulting that they have no knowledge of conditions that would cause the purchase price of the Property to be significantly less than the purchase price of comparable properties.

3.5 Owner, Property Manager, and Occupant Information

The Client did not provide information other than information discussed elsewhere in this report.

3.6 Reason for Performing Phase I ESA

As agreed with the Client, this Phase I ESA has been performed to satisfy due diligence requirements for the future purchase and redevelopment of the Property and to determine if there are additional RECs in connection with the Property as of the date of the Reconnaissance and this report. This updated Phase I ESA is also being performed in order to qualify for and request a Bona Fide Prospective Purchaser (BFPP) Comfort Letter from the State of Indiana.

3.7 Other Information

The Client indicated he had no other relevant knowledge regarding or affecting RECs at the Property. IWM personnel requested that the Client review and answer the ASTM E1527-05 User Questionnaire. A copy of the completed questionnaire is provided in Appendix D.



4.0 RECORDS REVIEW

This section presents a summary of the regulatory database review derived from the results of an Environmental Data Resources® Report (EDR) database search for the Property and facilities within search radii, as per ASTM guidelines. Public records pertaining to the Property were also reviewed from the Indiana Department of Environmental Management (IDEM) file room. The database report and IDEM records are provided in Appendix E. Identification or confirmation of database listings shown as "unmappable" was out-of-scope. IWM Consulting also made reasonable attempts to interview (or request information) personnel from the City of Lafayette Fire Department and Tippecanoe County Department of Health having jurisdiction over the Property. IWM Consulting was able to contact local governmental personnel as part of the Phase I ESA activities. Local government inquiries are presented in Section 4.3. When referring to "up-gradient, cross or side-gradient and down-gradient," this usage refers only to the topographic gradient that often mirrors actual groundwater gradient (actual ground water gradient, depth and flow directions cannot be confirmed without information obtained from monitoring wells installed on-site and/or nearby).

4.1 Federal Database Review

FEDERAL DATABASES		
Federal Database Title and ASTM Radius	Property Listed (Y/N)	Other Facilities Listed (0/#)
Federal National Priorities List (NPL)	N	1
Radius – 1 mile	11	1
Federal Delisted NPL Site List	N	0
Radius – ½ mile	111	U
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	N	2
Radius – ½ mile	11	4
CERCLIS – No Further Remedial Action Planned (NFRAP)	N	2
Radius – ½ mile	11	2
Resource Conservation and Recovery Information System (RCRIS) Generators	N	1
Radius – Property and Adjoining properties	11	1
RCRIS Corrective Action (CORRACTS)	N	0
Radius – 1 mile	11	U
RCRIS Treatment, Storage & Disposal Facility	N	0
Radius – ½ mile	111	U
Emergency Response Notification System (ERNS)	N	0
Radius – Property only	1 N	U
Federal Institutional Control/Engineering Control Registries	N	0
Radius – Property only	11	

Tippecanoe Sanitary Landfill, Inc. - CERCLIS/NPL Facility

2801 N. 9th Street

Approximately 0.75 miles northeast and topographically upgradient of the Property This site is currently on the Final NPL.

Old Monon Rail Rebuilding Shop – CERCLIS Facility

1750 Monon Ave

Approximately 0.75 miles east/southeast and topographically upgradient of the Property On March 20, 1991 a release of 180,000 gallons of liquid nitrogen occurred at the site from a valve rupture of an above ground storage tank.



Lafayette Instrument Co Inc - CERCLIS-NFRAP Facility

3700 N Sagamore Pkwy N

Approximately 0.75 miles northeast and topographically upgradient of the Property One violation was discovered for this facility

Pickering Property – CERCLIS-NFRAP Facility

2453 N 9th Street

Approximately 0.15 miles south/southwest and topographically downgradient of the Property

MLS Liquidating Trust (Mechanics Laundry/Hudlow's) – RCRA CESQG Facility

810 Widewater Drive

Adjacent to the south and topographically cross-gradient of the Property

Based on the distance and/or current status of the Federal site locations, IWM Consulting does not regard these site locations as RECs in relation to the Property.

4.2 State & Tribal Database Review

STATE & TRIBAL DATABASES		
State & Tribal Database Title and ASTM Radius	Property Listed (Y/N)	Other Facilities Listed (0/#)
State & Tribal Hazardous Waste Facilities (SHWF) Radius – 1 mile	N	0
State & Tribal Equivalent NPL Radius – 1 mile	N	0
State & Tribal Equivalent CERCLIS Radius – ½ mile	N	0
State & Tribal Landfills and/or Solid Waste Disposal Facilities Radius – ½ mile	N	2
State & Tribal Leaking Underground Storage Tank (LUST) Radius – ½ mile	N	7
State & Tribal Registered Underground Storage Tank (UST) Radius – Property and Adjoining properties	N	2
State & Tribal Institutional Control/Engineering Control Registries Radius – Property only	N	0
State & Tribal Voluntary Cleanup Sites (VCP) Radius – ½ mile	N	2
State & Tribal Brownfield Sites (listed as U.S. Brownfields) Radius – ½ mile	Y	11
State & Tribal Spills Radius – Property location	N	0

26.0 Acre Vacant Lot – Registered U.S. Brownfield Location

2600 Duncan Road - Project Site

State Brownfields # 4040005; Phase I ESA completed at this location on 4/2/2008.

Mechanic's Laundry & Supply Inc. (Hudlow's) – Voluntary Cleanup Site

810 Widewater Drive / 2438 N. 9th Street

Adjacent to the south and topographically cross-gradient of the Property

VRP#: 6980705 and UST FID#: 4381



It appears that two 1,000-gallon gasoline USTs, one 1,000-gallon Stoddard solvent UST, three 500-gallon Stoddard solvent USTs and two additional USTs (unknown contents and capacities) were removed between 1989 and December 1991. The facility is currently in the IDEM Voluntary Remediation Program and a monitoring well network has been placed on-site and off-site throughout the adjacent southern properties in the Widewater Industrial Park area. It appears that dissolved VOC concentrations have been detected in the groundwater from the closest, off-site monitoring well location (MW-2). The Property appears to be hydraulically cross-gradient of the VOC source area (Former Mechanic's Laundry). A groundwater plume map completed by consultants retained by the Former Mechanic's Laundry facility indicated the possibility that dissolved VOCs may have migrated onto the south-central portion of the Property. Based on Phase II investigations at the Property, this southern off-site facility is considered an historical REC at this time.

Ed Grace Company - Registered UST Facility

2601 N 9th Street

Adjacent to the north and topographically cross-gradient of the Property.

Facility ID: 017585

In February of 1993 three USTs were removed and permanently closed on the site. The tanks consisted of a 1,000-gallon fuel oil tank and two 500-gallon gasoline tanks. Two-hundred and seventy cubic yards of contaminated soil were excavated during the tank removal. No LUST incidents were discovered in the IDEM files. This UST Closure is considered a historical REC.

Central Ind. Glass & Glazing - Registered UST Facility

2632 N 9th Street

Near adjacent to the northeast and topographically cross-gradient of the Property.

Facility ID: 011543

One gasoline UST was listed as permanently out of service. No additional information is provided.

Tippecanoe Sanitary Landfill, Inc. - Landfill Facility

2801 N. 9th Street

Approximately 0.75 miles northeast and topographically cross-gradient of the Property This site is currently on the Final NPL.

Tippecanoe County Transfer & Recycling Center – Registered SWF/Landfill Facility

2770 N 9th Street

Approximately 0.25-0.5 miles northeast and topographically cross-gradient of the Property

Siemens Power Transmission / Landis & Gyr - Voluntary Cleanup Site

3601 Sagamore Pkwy N

VRP: 6981103

Approximately 0.75 miles northwest and topographically cross-gradient of the Property This facility was assigned a medium corrective action priority.

Oscar Winski Co. - Registered LUST Facility

2407 Canal Rd.

Approximately 0.125 – 0.25 miles south/southwest and topographically downgradient of the Property Facility ID: 7523 and Incident No. 199810561

This facility is currently listed as an active low corrective action priority.

CSX Bids Terminal – Registered LUST Facility

2934 Sagamore Pkwy N

Approximately 0.25-0.50 miles northeast and topographically cross-gradient of the Property

26.0 Acre Vacant Lot - 2600 Duncan Road • 10/27/2008 • Page 9



Facility ID: 9122 and Incident No. 199305536

The facility was considered a low priority (i.e. soil only) and given a "No Further Action" status from IDEM

Shaffer Trucking Inc – Registered UST and LUST Facility

2009 N. 9th St

Approximately 0.25-0.50 miles south/southwest and topographically cross-gradient of the Property Facility ID: 4283 and Incident No. 199201540

The facility was considered a low priority (i.e. soil only) and given a "Discontinued" status from IDEM.

Marsh Village Pantry #502 – Registered LUST Facility

1901 Schulyer Ave.

Approximately 0.25-0.50 miles southeast and topographically cross-gradient of the Property

Facility ID: 7035 and Incident No. 199610524

The facility was considered a high priority (i.e. free product) and given a "No Further Action" status from IDEM.

Phillips 66 – Registered UST and LUST Facility

2680 US 43 S

Approximately 0.50 miles northwest and topographically cross-gradient of the Property

Facility ID: 11517 and Incident No. 199110552

This facility is considered a high priority by IDEM.

M & M Budget Motor - Registered UST and LUST Facility

1601 Canal Rd

Approximately 0.75 miles southwest and topographically cross-gradient of the Property

Facility ID: 16930 and Incident No. 199002553

This facility is considered a high priority by IDEM.

Goris Property – Registered UST and LUST Facility

Canal/Greenbush Rd

Approximately 1 mile south/southwest and topographically cross-gradient of the Property

Facility ID: 20025 and Incident No. 199107088

This facility is considered a medium priority by IDEM.

Lots 1-11 Widewater Industrial Park – Registered U.S. Brownfields Location

703-801 Widewater Drive

Adjacent properties to the south and topographically downgradient of the Property

Phase I ESA activities associated with each property location.

Based on the distance and/or current status of the LUST and UST, landfill and Brownfields properties, IWM Consulting does not regard these site locations as RECs in relation to the Property. The off-site facility (former Mechanic's Laundry & Supply - adjacent property to the south) is considered an historical REC at this time.



4.3 Local Government Inquiries

IWM Consulting re-contacted the Lafayette Fire Department regarding known adverse environmental conditions at the project site. According to Ms. Samantha Taylor, Lafayette City Fire Department, there are still no known adverse environmental conditions that have been reported at the Property.

The Tippecanoe County Department of Health (TCDH) was re-interviewed regarding information relevant to the environmental condition of the Property. According to Mr. Ron R. Noles, Environmental Health Specialist of the TCDH, no other known adverse environmental conditions have been reported.

A copy of the Communication Logs from the LFD and TCDH is contained in Appendix F.



5.0 PHYSICAL SETTING INFORMATION REVIEW

The following section presents information as to the Property's physical setting. Note the terms "up-gradient, cross or side-gradient and down-gradient" may be used in this report and refer to the topographic gradient as related to the Property that often mirrors actual groundwater gradient. Note, however, that groundwater flow direction and the depth to any shallow groundwater may vary based upon seasonal changes (i.e., precipitation amounts) and the depth to the soil/bedrock interface. Actual ground water gradient, depth and flow directions cannot be confirmed without information obtained from ground water monitoring wells installed on the Property and/or nearby.

5.1 Topographic Map Information

The Property is located on the Southeast Quarter of Section 16, Township 23 North, and Range 4 West within the Lafayette West Quadrangle 7.5 minute series topographic map prepared by the USGS. The elevation of the Property is approximately 550-560 feet National Geodetic Vertical Datum of 1929. The Property consists primarily of a gently rolling topography while the surrounding area consists primarily of gently sloping topography which leads to the Tippecanoe River. A topographic map is included in Appendix A.

5.2 Flood Zone

A review of the Federal Emergency Management Agency Flood Insurance Rate Map, Community Panel Number 180253 0001 B (Panel 1 of 5), and effective date November 19, 1980 revealed that the Property is located primarily within Zone C. Zone C is considered areas of minimal flooding. The adjacent properties are also listed within Zone C to the north, east and south. The areas to the west are located in either Zone A8 or Zone B. Zone A8 is listed as areas within the 100-year flood plain. Base elevations and flood hazard factors are determined. Zone B is listed as areas that are between the 100-year and 500-year flood plains.



6.0 HISTORICAL INFORMATION REVIEW

This section presents historical information that is both reasonably ascertainable and readily available as per ASTM guidelines in order to reveal the Property's obvious usage from 1940 or its first developed use, whichever is earlier (unless otherwise stated in Section 1.0 above, Limitations & Exceptions). Reasonable attempts were made to interview those with historical information about the Property. Historical records review for non-adjoining properties was out-of-scope.

6.1 Property Ownership

Property ownership history records were obtained through the Tippecanoe County Auditor's and Recorder's offices for the parcel. Of the previous owners, none appear to suggest uses indicative of RECs. A table summarizing the Property Owner History from 1922 to present for the Property is provided below.

PROPERTY OWNER HISTORY Parcel # 158-17200-0162		
Owner's Name	Deed Date	
Canal Partners LLC	4/30/1998	
Micheal J & Steven Bluestein	4/23/1998	
Grace Vivian Ytte	9/10/1992	
Grace Ed Company Inc	10/11/1973	
Lafayette City Park & Recreation Board	2/25/1972	
Barbara Theime et al.	8/10/1965	
Katherine Baumberger	8/5/1936	
Elizabeth Longrecht	prior to 1922	

6.2 Aerial Photographs

Aerial photographs depicting the Property area were obtained from the Historical Gatherers (1939-2005) and Google Earth® (2007). The following reasonably available aerial photographs were reviewed as described below (from oldest to most recent). Note that the scale and clarity of aerial photographs necessarily affect and limit evaluation of features and conditions that may be depicted on a particular aerial photograph. A copy of the most recent aerial photograph from 2007 is presented in Appendix G of this ESA; additionally, copies of the original Historical Gatherers aerial photographs are included in Appendix G.

	AERIAL PHOTOGRAPH REVIEW			
Year	Property Description	Surrounding Properties Description		
1939	The eastern portion of the Property appears to be agricultural fields. A small square residence is located on the east central portion of the Property (former two-story residence/clubhouse). A small stand of trees is present on the eastern border of the Property.	North 9 th Street is directly east of the Property. Unoccupied land and a train track are further east, beyond North 9 th street. Agricultural fields are to the north, east and south of the Property. Several small buildings are southwest of the Property.		
1951	The Property appears similar to the 1939 aerial photograph. A small square outbuilding is to the north of the residence.	The adjacent properties appear similar to the 1939 aerial photograph.		



AERIAL PHOTOGRAPH REVIEW (Continued)			
Year	Property Description	Surrounding Properties Description	
1957	The Property appears similar to the 1951 aerial photograph.	The adjacent properties appear similar to the 1951 aerial photograph.	
1963	The Property appears similar to the 1957 aerial photograph.	A large rectangular building borders the Property to the southeast (former Mechanics Laundry). Several more rectangular structures are to the southwest. Several areas on the south adjacent property appear to be excavated. A mobile home park borders the Property to the northwest. Several rectangular buildings are to the northeast of the property. A large rectangular structure is present to the east of the Property beyond North 9 th Street. The other adjacent properties appear similar to the 1957 aerial photograph.	
1971	An irregular, narrow strip area oriented southwest to northeast in the east-central portion of the Property appears to be excavated. Two circular mounds are evident on the northeastern and southwestern portions of the Property. Two stands of woods are present on the north-western and south-central portions of the Property. Otherwise, the Property appears similar to the 1957 aerial photograph.	The surrounding properties appear similar to the 1963 aerial photograph; however, several more buildings are present in the south-adjacent property, with several semitrailers parked on the eastern portion of this property.	
1981	The Property appears similar to the 1971 aerial photograph; however, a small rectangular structure is present in the center of the Property.	The surrounding properties appear similar to the 1971 aerial photograph; however, a large rectangular building has been built to the northeast of the Property beyond North 9 th Street. An additional U-shaped building is on the north adjacent property. A large golf course is present on the west-adjacent property. A rectangular structure is present on the southeast adjacent property.	
1993	The Property appears similar to the 1981 aerial photograph; however, the central rectangular structure is not present. The Property is more wooded and the narrow strip is no longer open or appears to be slightly overgrown with vegetation.	The surrounding properties appear similar to the 1981 aerial photograph; however, 3 large interconnected buildings are on the northeastern adjacent property.	
1998	The Property appears similar to the 1993 aerial photograph.	The surrounding properties appear similar to the 1993 aerial photograph.	
2003	The residence is no longer visible; however there is heavy tree cover in the area in which it previously stood. The east-central excavation area appears overgrown with trees. The Property appears similar to the 1998 aerial photograph.	The surrounding properties appear similar to the 1998 aerial photograph; however, the western adjacent golf course appears flooded.	
2005	The Property appears similar to the 2003 aerial photograph.	The surrounding properties appear similar to the 2003 aerial photograph.	
2007	The Property appears similar to the 2005 aerial photograph.	The surrounding properties appear similar to the 2005 aerial photograph.	

Based on a review of the aerial photographs, it appears that the same two-story residence/clubhouse structure occupied the east-central portion of the Property since before 1939 to 1998. The surrounding properties to the northeast and south appear to have been primarily commercial properties since 1971. A mobile home park appears to have been present to the northwest of the Property since 1963. A train track appears to have been to the east of the Property beyond North 9th Street since 1939. Based on the review of the historical aerial photographs, IWM Consulting did not identify RECs associated with the Property or adjacent/near adjacent properties.



6.3 City Directories

City Directories were reviewed from the Tippecanoe County Public Library, Genealogy Department for the Property address and adjacent properties. These City Directories were reviewed from Polk's City Directories (1941-2006). The following City Directories were reasonably available and reviewed as described below (from oldest to most recent). Note that the Property address may or may not appear as a listing in directories reviewed. Copies of City Directories reviewed are not included with this report due to copyright restrictions.

CITY DIRECTORY REVIEW		
Year	Property Listing for 2600 Duncan Road	Adjoining/Surrounding Property Listings
1941	No Listings	No Listings
1945	No Listings	No Listings
1950	No Listings	No Listings
1955	No Listings	No Listings
1960	No Listings	No Listings
1965	No Listings	777–779 Cordale Rd – No Listing
		2601 N. 9 th St. – Ed Grace Co. Inc Plumbing Contractors
		2610 N 9 th St – No Listing
		2616 Duncan Rd – Miles A Nelson A & Co Inc. Heating
		Contractors
1969	No Listings	777 – 779 Cordale Rd – No Listing
		2601 N 9 th St – Same as above.
		2610 N 9 th St – No Listing
		2616 Duncan Rd – Same as above.
		2610 N 9 th St – No Listing
1975	No Listings	777 – 779 Cordale Rd – No Listing
		2601 N 9 th St – Same as above.
		2610 N 9 th St – No Listing
		2616 Duncan Rd – No Listing
		1 Widewater Dr. – Bob Memmer Floor Covering
		3 Widewater Dr. – Indiana Waste Services, Inc.
		7 Widewater Dr. – Sound Productions Electronic Eq.
		9 Widewater Dr. – Vacant
1000		11 Widewater Dr. – Lafayette Metal Processors Inc.
1980	No Listings	79 Cordale Rd – Court-Dale Trailer Park
		777 Cordale Rd – Shambaugh & Son and Eagle
		Manufacturing Industries Inc.
		779 Cordale Rd – No Listing
		2601 N 9 th St – Same as above.
		2610 N 9 th St – No Listing
		2616 Duncan Rd – No Listing
		1 Widewater Dr. – Ames Supply Co. (amusement mechanics)
1		3 Widewater Dr. – Metcon Contractors, Inc. (Gen. Cntrs)
		7 Widewater Dr. – Schilling Ceramic World
		9 Widewater Dr. – Residential listing
		11 Widewater Dr Lafayette Metal Processors Inc.
1		18 Widewater Dr. – Glass Specialty of Indiana
		10 macwater Dr. Glass specially of indiana
	<u>l</u>	<u>l</u>



	CITY DIRECTORY REVIEW (Continued)			
Year	Property Listing for 2600 Duncan Road	Adjoining/Surrounding Property Listings		
1985	No Listings	79 Cordale Rd – Same as above. 777 Cordale Rd – All Seasons Roofing 779 Cordale Rd – No Listing 2601 N 9 th St – Same as above. 2610 N 9 th St – Residential 2616 Duncan Rd – Nelson-Keating Mechanical 1 Widewater Dr. – Lane Engineering Specialties Co. 3 and 7 Widewater Dr. – No Listings 9 Widewater Dr. – Personal listing 11 Widewater Dr. – Ugly Duckling Rent-A-Car 11½ Widewater Dr. – Personal listing 18 Widewater Dr. – Magic Glass Co		
1990	No Listings	79 Cordale Rd – Same as above. 777 Cordale Rd – Same as above. 779 Cordale Rd – Tippecanoe Sheet Metal Inc. 2601 N 9 th St – Same as above. 2610 N 9 th St – No Listing 2616 Duncan Rd – Nelson-Keating Mechanical 1 Widewater Dr. – Same as above 3 Widewater Dr. – No Listing 9 Widewater Dr. – Whayne W. Sebrey & Assoc. Plumb. 11 Widewater Dr. – Twin City Taxi/Action Transport & Delivery/Luxury Limousine Service 11½ Widewater Dr. – Wrede & Sons Trucking Inc. 18 Widewater Dr. – Magic Glass Co		
1993	No Listings	79 Cordale Rd – Same as above. 777 Cordale Rd – All Seasons Roofing, All Seasons Tan & Tub and All Seasons Pool & Spa 779 Cordale Rd – Tippecanoe Sheet Metal Inc. & Ventilating Co., Inc 2601 N 9 th St – Shambaugh & Sons, Inc. 2610 N 9 th St – No Listing 2616 Duncan Rd – Robbins Bail Bonds 607 Widewater Dr Twin City Taxi/Action Transport & Delivery/Luxury Limousine Service 609 Widewater Dr. – Wrede & Sons Trucking Inc. 703 Widewater Dr. – Whayne W. Sebrey & Assoc. 706 Widewater Dr. – Lane Engineering Specialties Co. 707 Widewater Dr. – Door & Sash, Inc. 711 Widewater Dr. – Tire Specialty Inc. 712 Widewater Dr. – Magic Glass Co. 715 Widewater Dr. – Wrede & Sons Trucking Inc. 810 Widewater Dr. – Mechanics Laundry		



CITY DIRECTORY REVIEW (Continued)			
Property Listing for 2600 Duncan Road	Adjoining/Surrounding Property Listings		
No Listings	79 Cordale Rd – Same as above. 777 – 779 Cordale Rd – No Listings 2601 N 9 th St – Ed Grace Co. / Shambaugh & Sons, Inc. 2610 N 9 th St – Petro Plus Grocery Store 2616 Duncan Rd – No Listing 607 Widewater Dr. – Martin's Auto Repair 610 Widewater Dr. – Jesus Salbo 614 Widewater Dr. – Sharp All Sharpening Service 700 Widewater Dr. – Personal listing 703 Widewater Dr. – Griffith Electric 706 Widewater Dr. – No Listing 707 Widewater Dr. – Personal listing 715 Widewater Dr. – Wrede & Sons Trucking Inc. 721 Widewater Dr. – Twin City Equipment 810 Widewater Dr. – Personal Listing		
No Listings	79 Cordale Rd – Same as above. 777 Cordale Rd – Gonzales Auto Repair, Jason Enterprises, and U-haul Company Independent Dealer 779 Cordale Rd – Slutsky-Peltz Plumbing & Heating Co. 2601 N 9 th St – Shambaugh & Sons, Inc. 2610 N 9 th St – Family Express/ Habben Crary & Sense 2616 Duncan Rd – No Listing 607, 610, and 614 Widewater Dr – No Listings 609/700 Widewater Dr. – Personal Listings 703 Widewater Dr. – Griffith Electric 706 Widewater Dr. – No Listing 707 Widewater Dr. – Greg Terry Welding 711 Widewater Dr. – Tire Specialty Safety Center 715/721 Widewater Dr. – Same as above 726 Widewater Dr. – Personal Listing 810 Widewater Dr. – Cintas (industrial laundry cleaning)		
No Listings	79 Cordale Rd – Same as above. 777 Cordale Rd – Cor-Dale Court Mobile Homes, Hillcrest Mobile Home Park, Hurt's Apartments, Lafayette Jr. Enterprise, Inc., Modernaire Mobile Home Park, Mr. Fence IT, R&J Sports Cards, S&H Trophies 779 Cordale Rd – No Listing. 2601 N 9 th St – Ed Grace Co./Shambaugh & Sons, Inc. 2610 N 9 th St – Family Express 2616 Duncan Rd – No Listing 607 Widewater Dr. – Personal Listing 609 Widewater Dr. – Griffith Group Inc. 610 & 614 Widewater Dr. – No Listings 700 Widewater Dr. – Personal Listing 706 & 707 Widewater Dr. – No Listings 711 Widewater Dr. – Same as above 712 Widewater Dr. – No Listing 721 Widewater Dr. – Same as above 726 Widewater Dr. – Same as above 726 Widewater Dr. – No Listing 801 Widewater Dr. – Service Master by Sarhort/Prof.		
	No Listings No Listings No Listings		

Based on a review of the city directories, the Property was not listed. The surrounding properties appear to 26.0 Acre Vacant Lot – 2600 Duncan Road • 10/27/2008 • Page 17

have been a mix of light commercial and residential properties. No listings were available for any of the adjoining or surrounding properties prior to 1965. IWM Consulting does not consider the adjacent or near-adjacent properties as RECs with the exception of the former Mechanic's Laundry facility which is currently considered an historical REC.

6.4 Historical Fire Insurance Maps

It was determined that Sanborn Fire Insurance Maps depicting the Property were not available after IWM Consulting conducted a search at the Indiana Historical Society and a review of the Environmental Data Resources Inc. (EDR) Sanborn® Map Report (1885-1978).

6.5 Prior Environmental Reports

1) On February 25, 1992, HR/E provided a Site Activities Letter Report for the Grace Property. The letter report detailed the removal of 42 truck loads or 585 tons of waste materials and construction debris from a pit. The waste materials consisted of refrigerators, water heaters, tires, chemical containers, and wood products. The letter report listed the Ed Grace Company (plumbing contractor) as the primary contributor of the waste materials. HR/E used an Organic Vapor Analyzer (OVA) to monitor for the presence of airborne Volatile Organic Compounds (VOCs). Subsequent OVA readings obtained from the pit, while the waste materials were removed, revealed no readings above background conditions. Additionally, exploratory holes were excavated at ten to fifteen foot intervals along the bottom of the excavation area. The holes were excavated to a depth below which no more waste was found (approximately 2-6 feet). The debris observed in the holes was similar to the debris previously encountered. Reportedly, no visible materials were noted that presented significant environmental concerns. Additional excavation activities were discontinued based on these findings. The exploratory holes were then filled back-in and the area were roughly graded; however, the excavation cavity was left open for potential future investigations/actions. It was noted that HR/E could not make definitive statements as to whether the surface and/or subsurface had been contaminated. Furthermore, an extensive investigation of soil and groundwater would be necessary to gather sufficient information for a complete assessment of site conditions.

It was later confirmed that the excavated pit area coincides with the swale area location initially identified in the IWM Consulting Phase I ESA site inspection conducted in March 19, 2008.

- 2) On February 20, 1998, a Phase I ESA report of the Property was completed by Alt & Witzig Engineering, Inc. The previous Phase I ESA stated that a fill pipe and vent pipe associated with a heating oil UST were observed extending from the basement on the north side of the former two-story residence/clubhouse in 1998. The previous Phase I ESA indicated that access to the basement of this building was not provided; therefore, there was no indication as to whether the heating oil tank in question was in fact a UST or AST. IWM Consulting was unable to verify the closure status (i.e. removal) of the heating oil tank in the basement of the former two-story residence/clubhouse. During the 1998 site reconnaissance, a battery was also observed on the northeast portion of the Property. IWM Consulting observed a battery in the same area during the site visit on March 19, 2008.
- 3) On June 19, 2004, a Phase I ESA report of the Property was completed by PHASE I Environmental Engineering. According to the report, "No known or suspect environmental conditions were identified." Furthermore, the environmental assessment revealed no evidence of RECs in connection with the property.



- 4) On April 2, 2008, IWM Consulting completed an AAI compliant Phase I ESA for the GLCDC. Based on the site inspection, review of the historical records, and examination of environmental records for adjacent properties, IWM Consulting recommended a comprehensive Phase II Subsurface Investigation. The Phase II Subsurface Investigation would determine if the Property has been impacted by past on-site and off-site operating activities, in the areas along the south boundary of the Property; and in the proximity of the former heating oil UST or AST and swale location.
- 5) On August 20, 2008, IWM Consulting completed an Initial Assessment Report for the GLCDC which consisted of the advancement of eight soil borings (GP-01 through GP-08) and the collection of soil and groundwater samples.

All of the soil samples submitted for analyses of adsorbed VOCs, Total Petroleum Hydrocarbon – Gasoline Range Organics (TPH-GRO), Total Petroleum Hydrocarbon – Extended Range Organics (TPH-ERO), Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs), RCRA-8 Metals, and Polychlorinated biphenols (PCBs) had concentrations less than the corresponding Risk Integrated System of Closure Residential Closure Levels (RISC RDCL) or laboratory reporting limit.

All of the groundwater samples submitted for analyses of dissolved VOCs, TPH-GRO, TPH-ERO, cPAHs, and PCBs had concentrations less than the corresponding RISC RDCL or laboratory reporting limit.

Unfiltered groundwater samples obtained from borings GP-01 through GP-05 had total arsenic and lead concentrations in excess of the corresponding RISC RDCL. Additionally, groundwater samples obtained from GP-1, GP-4, and GP-5 had total cadmium and chromium concentrations in excess of the corresponding RISC RDCL.

Based on site observations and analytical data obtained at the Property during the July 2008 investigation, subsurface site conditions do not indicate evidence of a hazardous or petroleum release at the Property. Miscellaneous landfill debris was not observed in any of the soil borings during installation activities; although it should be noted that due to above ground restrictions (i.e. trees & brush), IWM Consulting personnel could not install soil borings immediately above the area suspected to be the former private landfill.

Total arsenic, lead, cadmium, and chromium concentrations were detected in unfiltered groundwater samples at concentrations in excess of the corresponding RISC RDCL. The groundwater samples were very turbid due to the fact that the samples were obtained from temporary piezometers and had to be collected using dedicated bailers as opposed to a low flow sampling pump. These metals can naturally occur in unconsolidated deposits throughout the Midwestern United States and are not necessarily indicative of a hazardous waste spill/release.

Therefore, since it has been well documented that certain metals naturally occur in the unconsolidated deposits and very turbid (suspended solids & colloids) groundwater samples can bias the metal concentrations high when compared to dissolved (filtered) metal concentrations, IWM Consulting recommends that the GLCDC discuss this site specific data directly with representatives from the IDEM or U.S. EPA to determine if additional assessment activities are warranted. Additional assessment activities may include installing one or more properly constructed monitoring wells and subsequent collection of groundwater samples for both total (unfiltered) and dissolved (filtered) RCRA-8 Metal analyses.



Future site development activities (potentially a Juvenile Justice Center) are expected to include the construction of a commercial building(s), parking lots, and other open areas. Given the fact that the only COCs detected above RISC RDCL were located in the groundwater at a depth greater than 34 feet, site development activities should not be limited due to environmental conditions documented during this subsurface investigation.

Copies of the User Provided Reports listed above or narrative portions of these available reports are included in Appendix D.

6.6 Soil Excavation Summary Report

On October 27, 2008 IWM Consulting completed a Soil Excavation Summary Report for the GLCDC. IWM Consulting recommended to the GLCDC that they request the existing property owner (Canal Partners, LLC) to install a series of test trenches in the central swale area of the Property to confirm or negate the presence of buried trash and/or debris. Household trash (paper, glass, soda cans, and plastic) and debris (tires, insulation, piping, rubber hoses, wood, water heaters, and various pieces of metal) were encountered in all of the test trenches at a depth beginning at approximately 2 feet BLS. The debris extended to depths ranging between 6 and 8 feet BLS. Based on the results of the test trenches, it was determined that the entire swale area needed to be grubbed and cleared of brush, vegetation, and trees and that the underlying trash and debris needed to be removed from the site. Confirmatory soil samples would be obtained from the sidewalls and base of the excavation and from the excavated soil in order to verify the presence or absence of TPH and RCRA-8 Metals.

All of the trash/debris was removed from the subsurface in this area of the Property and segregated from the native sandy soil. The trash and debris is currently temporarily stockpiled onsite and the current property owner has committed to removing the stockpiled trash/debris before the real estate transaction is completed. The excavation remains open at this time and has not been backfilled.

A total of 112 soil samples were obtained during excavation activities and field screened with a photo-ionization detector (PID) and flame-ionization detector (FID). All of the soil samples with the exception of one had PID or FID readings less than 5 ppmv. This soil sample was obtained from the stockpiled, segregated native sandy soil. This stockpile is currently located south of the existing excavation. Subsequently, a total of twenty-six (26) confirmatory soil samples were obtained for laboratory analysis of TPH-ERO, TPH-GRO, and RCRA-8 Metals.

Although a significant amount of trash and debris was located throughout the subsurface of the swale located in the central portion of the Property, site observations and confirmatory soil analytical results indicate that this area of the Property has not been adversely impacted from a hazardous waste spill/release. The excavation extended to depths beyond that native soil/trash interface and no additional trash/debris is known to exist at the Property.

A stand alone copy of the Soil Excavation Summary Report is included within Appendix H.



7.0 RECONNAISANCE

This section presents information gathered during the Reconnaissance of the Property and adjoining properties. This noninvasive Reconnaissance was conducted to observe accessible and representative portions of the Property for evidence of RECs. The following indicators of RECs, as per ASTM guidelines, were the focus of this Reconnaissance: stained soils, stressed vegetation, transformers, evidence of above ground or underground storage tanks, trash and debris, use or storage of hazardous substances or petroleum products. IWM Consulting also interviewed (or made reasonable attempts to do so) the Property representative identified by the Client to gain more information about the Property uses and environmental issues, if known by the interviewee.

Originally on March 19, 2008, IWM Consulting representatives, Mr. Patrick Rohan, Project Manager and Mr. Donovan Wilczynski, Staff Geologist conducted a site Reconnaissance. During that time period, IWM Consulting was accompanied by the owner Mr. Steve Shook, Mr. Dan Teder an attorney for Reiling Teder & Schrier, LLC representing Tippecanoe County and Mr. Dave Luman an attorney for the County of Tippecanoe during the site visit. The weather was overcast with light rain and a temperature of approximately 41 degrees Fahrenheit. Observations at the Property were generally not limited during the site reconnaissance.

On October 21, 2008, an additional site reconnaissance was conducted at the Property by IWM Consulting representative, Mr. Patrick Rohan, Project Manager as part of the Phase I ESA update report. Mr. Rohan was unaccompanied during the site visit. Initially, the site inspection consisted of a clock-wise walk around the perimeter of the Property. Subsequently, a diagonal walk was conducted from the southeast corner of the Property to the northwest corner of the Property. An additional diagonal walk was conducted from the southwest corner of the Property to the northeast corner of the Property. The weather was clear and sunny with a temperature of approximately 50 degrees Fahrenheit. Observations at the Property were not limited.

7.1 General Property Setting

A re-inspection of the site occurred on October 21, 2008. The Property characteristics are similar to the initial inspection conducted on March 19, 2008. Initially, a large swale was noted in the east-central portion of the site. In September 2008, it was confirmed that the swale was a former dump site for miscellaneous metal and plastic debris (construction debris) and general trash items. Subsequently, the Property owner had the trash and debris excavated from the swale and staged in piles near the over-excavated swale for later removal. During the re-inspection of the site, several tall piles of soil, cleared wood debris piles and general trash piles were noted around the over-excavated swale area. The excavation remains open at this time and has not been backfilled. The Property is enclosed by a chain link fence.

It should be noted that during the original Phase I ESA site visit, two small areas were identified that contained a crushed 55-gallon drum, automobile batteries, used farm equipment and miscellaneous metal debris. The noted items of concern appear to have been removed or combined with piles of trash/debris. Therefore, the debris was not observed during the subsequent site visit.

7.2 Reconnaissance Observations: Property

SPECIFIC OBSERVATIONS DURING RECONNAISSANCE			
Feature	Observed	Location	
	(Y/N)		
Source of Drinking Water	N		
Sewage Disposal/Septic	N		



SPECIFIC OBSERVATIONS DURING RECONNAISSANCE				
Feature	Observed (Y/N)	Location		
Use or Storage of Hazardous Substances	N			
Use or Storage of Petroleum Products	N			
Aboveground Storage Tanks	N			
Underground Storage Tanks (or related equipment)	N			
Surficial Staining or Corrosion	N			
Stressed Vegetation	N			
Drums or Other Containers	N			
PCBs	N			
Drains and Sumps	N			
Pits, Ponds or Lagoons	N			
Solid Waste Disposal	Y	A large over-excavated pit (former swale location) is located in the east-central portion of the site. Several piles of soil overburden and trash/construction debris was noted around the area of the over-excavated swale location.		
Wastewater Discharges	N			
Wells	N			
Odors	N			
Pools of Liquid	N			

The noted features observed on the site are described in more detail as follows:

1) It has been confirmed that the large swale identified in the east central area of the Property was formerly used as a dump site for miscellaneous construction debris and general trash items. The swale area was considered an REC in the original Phase I ESA report. Subsequently, the construction debris and trash items have been stockpiled in areas near the over-excavated swale area. Due to the fact that no visual contamination was observed and no detected contaminants were detected in the previous soil/groundwater/confirmatory soil samples, the piles and swale area are not considered an REC. The piles are considered a *de minimus* concern at this time.

7.3 Reconnaissance: Adjoining Properties

Observations of adjoining properties from the Property's boundaries and public right-of-ways were made to identify apparent RECs. The following types of properties surround the Property:

ADJOINING PROPERTY OBSERVATIONS				
Direction from Property	General Description	Features suggesting RECs (Y/N)		
North	Court-Dale Trailer Park, two vacant commercial buildings, Ed Grace Company, a division of Shambaugh & Sons, Inc. Contractors and Engineers and the Tippecanoe County Board of Commissioners Storage facility border the Property to the north.	Y		
South	Widewater Industrial Park is directly south of the Property. Widewater Industrial Park consists of Holmes Heating & Cooling to the southwest. Magic Glass is east of Holmes Heating & Cooling; Smith Brothers Rental is east of Magic Glass; and Magnum Materials, Fastenal and Terra-Craft (former Mechanic's Laundry) is east of Smith Brothers Rental.	Y		
East	North 9 th Street borders the Property to the east. Further east of North 9 th Street there is a vacant property, with a railroad track further east.	N		
ADJOINING PROPERTY OBSERVATIONS (Continued)				





Direction from	General Description	Features suggesting
Property		RECs (Y/N)
West	The Lafayette Municipal Golf Course is west of the Property.	N

Surrounding properties are generally a mix of commercial properties, residential properties or a municipal golf course. Due to the information obtained from the site reconnaissance, IWM Consulting considers two of the adjacent or near/adjacent properties as RECs.

- 1) The adjacent property to the south/southwest, Magnum Materials, Fastenal and Terra-Craft (formerly Mechanic's Laundry/Hudlow's), had a groundwater monitoring well network. The current/former operations conducted at the off-site property may have potentially impacted subsurface soil and groundwater in the immediate vicinity of the Property. The original Phase I ESA conducted by IWM Consulting listed this site location as a potential REC; however, after a subsequent subsurface investigation along the southern perimeter of the Property, no VOCs were detected in the soil or groundwater. At this time, the southern adjacent property is considered an historical REC and no further investigation appears warranted at this time.
- 2) Shambaugh & Sons is located directly north of the Property. Seven 55-gallon drums, six safety cans, twelve propane containers, and three gas canisters are stored along the southern boundary of the Shambaugh & Sons property. No surface staining or leaking was evident in relation to the off-site containers; however, the proximity of the chemical containers is still considered a *de minimis* condition.
- 3) The Lafayette Municipal Golf Course is adjacent to the west/southwest of the Property. An approximately 250 gallon AST was observed on this property. No surface staining or leaking was evident in relation to the off-site AST; however, the proximity of the AST is still considered a *de minimis* condition.



8.0 INTERVIEWS

Reasonable attempts were made to interview those with historical and current information concerning the Property's past and current uses and environmental issues or problems, if any.

8.1 <u>Interviews with Owner, Property Manager and/or Occupants</u>

Interview with Mr. Steve Shook, Owner Representative: According to Mr. Steve Shook, representing agent of the owner of the Property since 1998, the southern adjacent property, former Mechanics Laundry, may be an environmental concern. He was unaware of any former landfill activities on the Property. He is not aware of any environmental liens on this property. He is aware of the findings presented in the 1998 Alt & Witzig Phase I ESA report and more recent activities conducted by IWM Consulting. Otherwise, he is not aware of any indicators that point to the presence or likely presence of contamination at the Property based on personal knowledge or experience.

8.2 <u>Interviews with Local Government Officials</u>

Interview with Mr. Dan Teder, Attorney for the Reiling, Teder & Schrier, LLC representing Tippecanoe County: According to Mr. Dan Teder, the Property was formerly owned by the Ed Grace Company and had been used as a residence or clubhouse for a small private golf course. He indicated the southern adjacent property, former Mechanics Laundry, may be an environmental concern. He is still unaware of any indicators that point to the presence or likely presence of contamination at the Property based on personal knowledge or experience. He was unaware of any landfill activities on the Property until later investigations had shown that the swale area was used for disposal of trash, metal and plastic debris. He is not aware of any environmental liens on this property.

IWM Consulting contacted the Lafayette City Fire Department regarding known adverse environmental conditions at the Property. According to Ms. Samantha Taylor, no additional or known environmental concerns have been reported for the Property within her database.

The TCHD was interviewed regarding information relevant to the environmental condition of the Property. According to Mr. Ron R. Noles, TCHD, he had originally stated that there still may exist a possible septic tank on the Property. There have been no updates in the TCHD database regarding this site location. No other known adverse environmental conditions have been reported.

8.3 Interviews with Others

No additional interviews were conducted during the course of this Phase I ESA.

A copy of the Communication Logs is provided in Appendix F.



9.0 DATA GAPS

ASTM 1527-05 defines a "data gap" as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information." IWM Consulting conducted this Phase I ESA for the Property and has identified the following "data gaps":

- The historical use of the property could not be identified back to first developed use (prior to 1939 aerial photograph former two-story residence/clubhouse located on the east central area of the Property).
- IWM Consulting was unable to contact the former property owner for the Property.
- Aerial photographs for the decade of the 1940's were unavailable for review.
- No historical fire insurance map coverage is available for the Property.

It is the opinion of the Environmental Professional that the data gaps identified are not "significant data gaps" and do not hinder the ability of the Environmental Professional to develop definitive conclusions or recommendations regarding this Phase I ESA.



10.0 FINDINGS AND OPINIONS

The original findings and opinions presented in the initial Phase I ESA conducted by IWM Consulting are presented below. A subsequent follow-up to each REC with new opinions is also provided.

• The previous Phase I ESA conducted by Alt &Witzig in 1998 stated that a fill pipe and vent pipe associated with a heating oil UST were observed extending from the basement on the north side of the former two-story residence/clubhouse. The previous Phase I ESA indicated that access to the basement of this building was not provided; therefore, there was no indication as to whether the heating oil tank in question was in fact a UST or AST. IWM Consulting was unable to verify the closure status (i.e. removal) of the heating oil tank in the basement of the former two-story residence/clubhouse; therefore IWM Consulting considers the former UST or AST as a REC.

Follow-Up Activities

IWM Consulting installed two soil borings in the approximate area of the former two-story residence/clubhouse building and collected soil and groundwater samples for the laboratory analysis. No petroleum hydrocarbons were detected in the soil or groundwater.

According to the previous February 25, 1992, Heritage Remediation/Engineering, Inc. Site Activities Letter Report (which was also summarized in the 1998 Alt & Witzig Phase I ESA), a former landfill or dump was located northwest of the former two-story residence/clubhouse. The report indicates that 585 tons of waste were removed from this landfill area; however, between 2 and 6 feet of waste were left in the bottom of the excavation. The removed waste consisted of general refuse from the former two-story residence/clubhouse and Ed Grace Company, Inc. which included refrigerators, water heaters, tires, chemical containers, wood products and general refuse. Visual observations and in-field soil screening evaluations were conducted; however, no confirmatory soil or groundwater sampling was performed during this investigation. IWM Consulting considered this to be a REC. IWM Consulting was unable to confirm the exact location of this landfill activity; however, the former landfill appears to coincide with the large swale in the east central area of the Property. IWM Consulting considers the swale area to be a REC.

Follow-Up Activities

It was later confirmed in September 2008 by initial test trenching activities that the swale area was indeed used as a former dump site for miscellaneous construction debris and general trash items. Nonetheless, IWM Consulting had installed three soil borings in July 2008 around the perimeter of the swale area or former dump site and collected soil and groundwater samples for laboratory analysis. All of the soil samples submitted for analyses of adsorbed VOCs, TPH-GRO, TPH-ERO, cPAHs, RCRA-8 Metals, and PCBs had concentrations less than the corresponding RISC RDCL or laboratory reporting limit.

All of the groundwater samples submitted for analyses of dissolved VOCs, TPH-GRO, TPH-ERO, cPAHs, and PCBs had concentrations less than the corresponding RISC RDCL or laboratory reporting limit. Total arsenic, lead, cadmium, and chromium concentrations were detected in unfiltered groundwater samples at concentrations in excess of the corresponding RISC RDCL. The groundwater samples were very turbid due to the fact that the samples were obtained from temporary piezometers and had to be collected using dedicated bailers as opposed to a low flow sampling pump. These metals can naturally occur in unconsolidated deposits throughout the Midwestern United States and are not necessarily indicative of a hazardous waste spill/release.



During the time period September through October 2008, a significant amount of trash and construction debris was removed from the swale location and staged on-site. Site observations and confirmatory soil analytical results indicate that this area of the Property has not been adversely impacted from a hazardous waste spill/release. The excavation extended to depths beyond that native soil/trash interface and no additional trash/debris is known to exist at the Property.

Additionally, the analytical results of the over-excavated swale confirmatory soil samples and the background soil samples have determined that the adsorbed arsenic concentrations observed at the Property are also indicative of background metal concentrations. The background metal concentrations naturally occur in unconsolidated deposits throughout the Midwestern United States and are not necessarily indicative of a hazardous waste spill/release.

Based on site observations and analytical data obtained at the Property during the July 2008 investigation and subsequent soil/debris excavation activities in September 2008-October 2008, subsurface site conditions do not indicate evidence of a hazardous or petroleum release in relation to the former dump site.

• IWM Consulting considered the off-site property to the south (former Mechanic's Laundry - VRP No. 69080705) as a REC. In fact, several monitoring wells in conjunction with the Former Mechanic's Laundry facility are located south of the Property in the adjoining asphalt parking area. It appears that dissolved VOC concentrations have been detected in the groundwater from the closest, off-site monitoring well location (MW-2). The Property appears to be hydraulically cross-gradient of the VOC source area (Former Mechanic's Laundry). A groundwater plume map, completed by consultants retained by the Former Mechanic's Laundry facility, indicated the possibility that dissolved VOCs may have migrated onto the south-central portion of the Property.

Follow-Up Activities

IWM Consulting installed three soil borings near the southern boundary of the Property and collected soil and groundwater samples for the laboratory analysis of VOCs. No VOCs were detected in the soil or groundwater. The former Mechanic's Laundry facility is considered an historical REC.

• If necessary, a comprehensive Phase II Subsurface Investigation would need to be conducted to determine if the Property has been further impacted by past on-site and off-site operating activities, in the areas along the south boundary of the Property; and in the proximity of the former heating oil UST or AST and swale location.

Follow-Up Activities

A subsequent Initial Assessment (Phase II Subsurface Investigation) was conducted at the Property. Based on site observations and analytical data obtained at the Property during the July 2008 investigation, subsurface site conditions do not indicate evidence of a hazardous or petroleum release in relation to the former dump site, heating oil UST or AST, and adjacent off-site facility to the south.

It is also IWM Consulting's opinion that sufficient evidence exists to classify the environmental conditions listed below as *de minimis* conditions. A *de minimis* condition is a condition that would not generally be the subject of an enforcement action(s) but may be of environmental interest. IWM Consulting is providing additional recommendations to address possible concerns that were either previously identified and are still relevant or new concerns identified during the recent re-inspection of the Property.



During the previous site reconnaissance, IWM Consulting observed abandoned farm machinery, a
battery, several empty quart-size motor oil containers and an antifreeze container on the northeastern
area of the Property. Additionally, an empty 55-gallon drum and empty propane container were
observed on the east central portion of the property directly east of the swale. The 55-gallon drum,
propane container, battery, empty containers and farm machinery should be properly disposed of offsite.

Follow-Up Activities

The items previously identified in the noted areas appear to have been removed and were not observed during the recent site visit. It is possible that these items were incorporated within the larger trash/debris piles identified during the re-inspection of the Property.

- Shambaugh & Sons, Inc. Contractors and Engineers (Shambaugh & Sons) is located directly north of
 the Property. Seven 55-gallon drums, six safety cans, twelve propane containers, and three gas
 canisters are stored along the southern boundary of the Shambaugh & Sons property and are in close
 proximity of the Property. No surface staining or leaking was evident in relation to the off-site
 containers; however, the proximity of the chemical containers is still considered a *de minimis*condition.
- The Lafayette Municipal Golf Course is adjacent to the west/southwest of the Property. An approximately 250 gallon AST was observed on this property. No surface staining or leaking was evident in relation to the off-site AST; however, the proximity of the AST is still considered a *de minimis* condition.
- Several piles of construction debris/trash items and soil overburden were noted near the over-excavated swale or previous dump site location. The identified piles should be properly removed and disposed off-site and are considered a *de minimis* condition.
- The excavation remains open at this time and will remain open until site development activities occur at the Property. Once the excavation is backfilled, the onsite developer should ensure that the backfilled excavation meets the required geotechnical compaction requirements for the site development activities.
- All of the stockpiled, segregated native sandy soil should remain onsite during development activities or be characterized through sample collection and laboratory analysis if the material must be transported and disposed offsite.
- Consideration and pre-planning should occur regarding any other subsurface waste materials or former building materials encountered at the Property, especially if any structures will be constructed in these areas of the Property. .



11.0 CONCLUSIONS

IWM Consulting has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527 of the Property located primarily at 2600 Duncan Road in Lafayette, Indiana. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report.

It is the opinion of IWM's Environmental Professional that this updated environmental site assessment has not identified conditions indicative of historical releases or threatened releases of hazardous substances at the Property from possible on-site and off-site sources.



12.0 ADDITIONAL SERVICES

Additional services provided in the Phase I ESA Report include the following:

- Aerial photographs
- Property photographs
- Site Map

No additional services were performed as part of this Phase I ESA for the Property.



13.0 **DEVIATIONS**

No deviations were incurred during the Phase I ESA activities.



14.0 REFERENCES

City of Lafayette Fire Department

DeLorme[®] 3-D TopoQuads, United States Department of the Interior, Geologic Survey, Topographical Map Lafayette, IND 1998.

Environmental Data Resources, Inc., February 20, 2007. ASTM-Compliant Phase 1 EDR DataMap[®] Environmental Atlas: Wabash River Project, Tippecanoe County, IN, Inquiry Number 01855723.1r.

Environmental Data Resources, Inc., October 20, 2008. ASTM-Compliant Phase I EDR Radius MapTM Report, 26 Acre Parcel, 2600 Duncan Road, Lafayette, IN 47904, Inquiry Number 2343870.1s.

Environmental Data Resources, Inc., The Sanborn Library, LLC

Federal Emergency Management Agency, National Flood Insurance Program, Flood Insurance Rate Map, County of Tippecanoe, Indiana (Unincorporated Areas), Panel 1 of 5, Map Number 180253 00501 B, Effective Date: November 19, 1980.

Historical Information Gatherers, Inc., HIG Project Number: MAI-1622.

Indiana Department of Environmental Management - File Room

Indiana Historical Library, Indiana Division

Polk Lafayette City Directories (1939-2007)

Sanborn Fire Insurance Maps, City of Lafayette (1885-1978)

Tippecanoe County Auditor's Office

Tippecanoe County Department of Health

Tippecanoe County Public Library, Genealogy Department

Tippecanoe County Recorder's Office



15.0 PROFESSIONAL STATEMENT

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40CFR 312. We have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject Property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Copies of the environmental qualifications of the Environmental Professionals are included in Appendix I.

Signature of Environmental Professionals

By Fatish Solu

Dated: 10/27/08

IWM Consulting Group, LLC

By Madelly E.

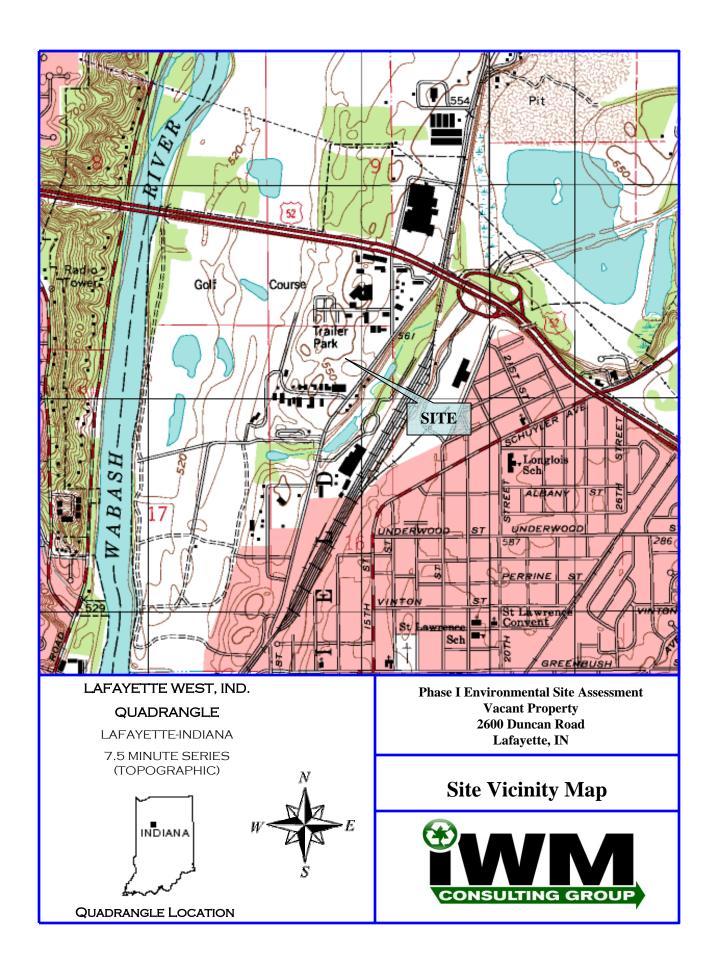
Dated: 10/27/08

IWM Consulting Group, LLC



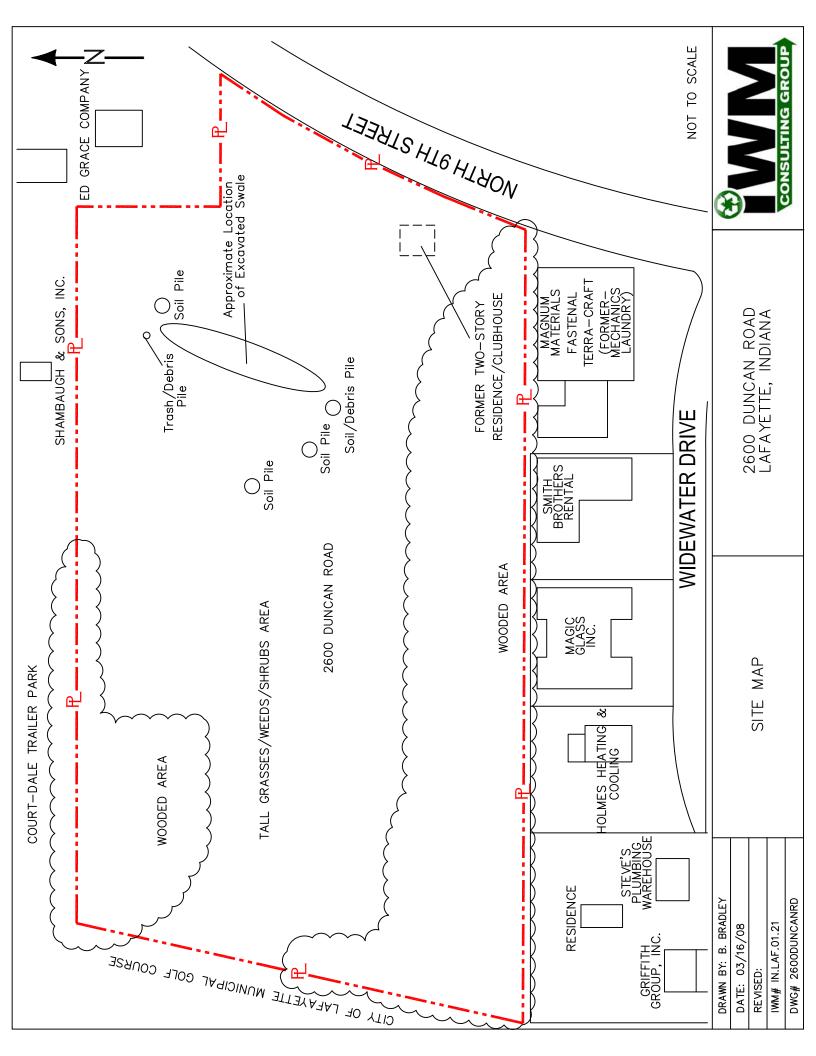
APPENDIX A SITE VICINITY MAP





APPENDIX B PROPERTY DIAGRAM-SITE MAP





APPENDIX C PROPERTY PHOTOGRAPHS





7. The central portion of the Property facing west.



9. The west central portion of the Property facing south.



11. The northeast corner of the Property facing south.



8. The central portion of the Property facing southwest.



10. The southwest portion of the Property facing northeast.



12. The north-central portion of the site facing southeast.



1. The east entrance into the Property facing west/southwest.



3. The north side of the over-excavated swale area facing south/southwest.



5. The south end of the over-excavated area facing north/northeast.



2. The northeast boundary of the Property facing northwest.



4. A closer view of the north end of the over-excavated swale area facing south/southwest.



6. A stock pile of trash and construction debris intermingled with soil on the north side of the excavated swale facing west.

APPENDIX D USER PROVIDED INFORMATION



HERITAGE REMEDIATION/ENGINEERING, INC.



P.O. Box 51020 Indianapolis, IN 46251 Phone: 317/243-7475 FAX: 317/243-2046

February 25, 1992

Mr. Gary Chapman Bose, McKinney, and Evans 2700 First Indiana Plaza 135 North Pennsylvania Avenue Indianapolis, IN 46204

> HR/E Site Activities Re: Grace Property

Dear Mr. Chapman:

The purpose of this letter is to transmit a report of Heritage Remediation/Engineering, Inc. (HR/E) findings and observations from site activities at the Grace property. HR/E services were based on proposal No. 911303.1 submitted to the Fauber Construction Company on September 12, 1991.

INTRODUCTION

The Fauber Construction Company, Inc. (Fauber) was retained by Bose, McKinney & Evans to remove waste materials and construction debris from the Grace property located at 2200 N. 9th Street in Lafayette, Indiana. The materials visually identified on-site priorto beginning the project included refrigerators, water heaters, tires, chemical containers, and wood products. These materials were located in a pit on the Grace property. It was said that the majority of waste materials in the pit were from the former Ed Grace Company, Inc. The Ed Grace Company was a plumbing contractor company. It was also HR/E's understanding, based on a conversation with Mrs. Ed Grace, President of the Ed Grace Company, that company employees disposed of residential household waste in the pit.

Heritage Remediation/Engineering, Inc. (HR/E) provided technical oversight for the project with regard to potential environmental compliance issues. HR/E stationed a project manager on-site during excavation activities to identify specific types of material that might pose a potential environmental concern, and to provide guidance if such materials were found.

5 JAN 98 FROM: CHENWOOD YOPP

Job #26153 TF921467.14



Mr. Gary Chapman February 25, 1992 Page 2

PROJECT ACTIVITIES

During the excavation activities HR/E visually inspected the excavation site for materials that could pose a potential environmental concern such as waste oils, discolored soil, drummed industrial materials, painting materials, solvents, and insulation. HR/E used an organic vapor analyzer (OVA) to monitor for the presence of airborne volatile organic compounds. OVA readings were obtained from the pit as debris and materials were removed. No readings above background conditions were obtained with the OVA. Site activities were conducted from October 28 to November 7, 1991. Three (3) days of site activities were lost due to rain delays.

On Monday October 28, 1991, a partially crushed 55-gallon metal drum was removed from the excavation. The drum contained a small amount (less than one gallon) of what appeared to be water soluble cutting oil. OVA readings for the drum were also at background levels. The drum was set aside and arrangements were made to dispose of the oil with Fauber's waste oil that is picked up by Petroleum Management in Indianapolis on a regular basis.

No other waste materials which would cause environmental concern were readily identified during the excavation activities. The materials removed from the Grace property appeared to originate from construction activities. These materials included piping, wood, water heaters, and wire in addition to certain household wastes such as paper products, bottles, and cans. The 55-gallon metal drums that were removed appeared to have been used for burning residential household waste.

Field observations noted during site activities indicated that debris was likely placed on the Grace property in lifts, or layers. Moderate amounts of soil were present between layers, and the transfer station operators objected to large amounts of soil mixed in with the loads of debris. Excavation activities progressed to an approximate depth of 10 (ten) feet below surface grade to the top of a six-to-ten inch soil layer. Debris was observed beneath this soil layer. Exploratory holes were excavated at ten to fifteen foot intervals along the bottom of the excavation site. Each hole was approximately four feet wide and six feet long. The holes were excavated to a depth below which no more waste was found (approximately 2-6 feet). The debris observed in the holes was similar to the debris excavated from prior site activities. No visible materials were noted that presented significant environmental concerns. Additional excavation activities were discontinued based on these findings. The exploratory holes were then filled in and the area was roughly graded. However, the excavation cavity itself was left open for potential future investigations/actions.



5-JAN98 FROM: GLENWORD POPP





Mr. Gary Chapman February 25, 1992 Page 3

Approximately forty-two (42) loads of waste materials weighing 585 tons were transported by Fauber to a transfer station, Tippecanoe Recycling and Transfer Facility, located at 2770 N. 9th Street. The transfer station is operated by Waste Management, Inc. Waste materials from the transfer station were subsequently transported to the Byers Recycling and Disposal landfill in Logansport, Indiana. The Byers landfill is approved by the IDEM to accept both "special" and municipal solid waste materials. Special waste is a term used by the Indiana Department of Environmental Management (IDEM) to describe industrial waste materials.

Please note that HR/E conclusions regarding the Grace property are based solely on visual observations and portable instrumentation readings conducted during the course of site activities. Therefore, HR/E cannot make definitive statements as to whether or not surface and/or subsurface contamination has occurred. An extensive investigation of soil and groundwater would be necessary to gather sufficient information for a complete assessment of site conditions. As with nearly all projects of this type, the amount of acceptable risk is balanced against the cost of additional investigations. In this specific instance, the removal activities and visual observations conducted by HR/E were deemed to be sufficient and within the requested scope of services.

Thank you for your interest in Heritage environmental consulting services. If you have questions or comments regarding this matter, please contact me at 317/243-7475.

Sincerely,

HERITAGE REMEDIATION/ENGINEERING, INC.

Terry R. Ferrill, PE, CHMM

Project Engineer

TRF/bjm

A reprise face

5 JAN 98 SROM: GLENWOOD YOPP



February 20, 1998

The Shook Agency 427 Main Street Lafayette, Indiana 47901 Attention: Mr. Steve Shook

RE: Phase I Environmental Assessment

Grace Property North 9th Street Lafayette, Indiana

Alt & Witzig Project No.: L8002

Dear Mr. Shook:

In compliance with your request, we have completed a Phase I Environmental Assessment of the above referenced site. It is our pleasure to transmit three copies of our report.

The purpose of our investigation was to identify potential environmental liabilities associated with the subject site. This report was performed in general accordance with the American Society for Testing Materials (ASTM) Standard E1527-97 requirements for Phase I Environmental Assessments.

If you have any questions or comments regarding our findings, please do not hesitate to contact us.

Sincerely,

ALT & WITZIG ENGINEERING, INC.

Laurie A. Royer, E.I.T.

Project Manager

Environmental Division

John C. Flannelly

Senior Project Manager

Environmental Division

LAR\JCF:lr

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APPENDIX A Site Photographs

EXECUTIVE SUMMARY

The purpose of our investigation was to identify potential environmental liabilities associated with the project site ("Site"), based on available public documentation and Site reconnaissance.

During the Site reconnaissance, a two-story residential dwelling situated on approximately 27 acres of land were observed. Alt & Witzig personnel were not able to access the home during the reconnaissance. The two-story residential was formerly utilized as a private clubhouse and the remainder of the property contained a private three-hole golf course. A mound located approximately 15 feet west of the clubhouse served as the tee for the golf course. An area filled in with concrete is located directly south of the tee. The past usage of the concrete area could not be determined.

Potential asbestos containing materials (ACMs) were observed on the home in the form of, but not limited to, wallboard and roofing materials. A fill pipe and a vent pipe associated with a heating oil underground storage tank (UST) were observed extending from the basement on the north side of the two-story clubhouse. As stated above, Alt & Witzig Personnel were not able to access the clubhouse, and therefore, could not determine if the contents of the UST have impacted the Site. Based on historical information obtained during interviews and a report provided by Mr. Steve Shook, landfilling operations were conducted in a pit located northwest of the clubhouse. Five-hundred and eighty-five tons of waste material were removed from the pit, however, between two (2) and six (6) feet of waste were left in the bottom of the excavation. Further, no soil or groundwater sampling was performed during the investigation. Therefore, potential subsurface

contamination may exist in the area of the former landfill. In addition, a battery is located on the northeast portion of the Site and should be either recycled or properly disposed.

The record search of available public documents regarding surrounding properties did not indicate any environmental concerns adjacent to the Site. There is one (1) facility with leaking underground storage tanks (LUSTs) within a one-half (1/2) mile radius of the Site. There is one (1) Resource Conservation and Recovery Act (RCRA) facility adjacent to the Site. One (1) permitted landfill is located within a one-half (1/2) mile radius of the Site. One (1) RCRA Treatment Storage or Disposal (RCRA-TSD) facility, one (1) National Priority List (NPL) facility and two (2) Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) sites were found within a one (1) mile radius of the Site.

Based on available data and published records regarding the Site and surrounding properties, evidence of environmental concerns were noted on the Site in the form of potential ACMs, the heating oil tank located in the basement of the clubhouse, potential contamination in the area of the former landfill and an improperly disposed battery.

This Executive Summary provides a summation of the concerns and recommendations of the Phase I Environmental Assessment conducted at the Site and is not intended to be all inclusive.

The following final report describes the inspection activities and provides an expanded discussion of our conclusions and recommendations.

ENVIRONMENTAL ASSESSMENT

INTRODUCTION

This report presents the results of a Phase I Environmental Assessment performed at a twostory home situated on approximately 27 acres of land, located on North 9th Street in Lafayette, Indiana.

The purpose of our investigation was to identify potential environmental liabilities associated with the Site. A Site reconnaissance was performed by an Alt & Witzig Engineering project manager on February 11, 1998. The following information was obtained from the reconnaissance, public records and file review, including Indiana Department of Environmental Management (IDEM) records, U.S. Environmental Protection Agency (U.S. EPA) listings, and interviews conducted during this investigation. Photographs were taken during the Site reconnaissance to supplement our observations. The photographs can be found in Appendix A.

This investigation was performed for The Shook Agency. Authorization to perform this assessment was in the form of a written agreement between Mr. Steve Shook of The Shook Agency and Alt & Witzig Engineering, Inc..

DESCRIPTION OF SITE

Site Location

The Site is located on the northwest side of Lafayette, Indiana. Specifically, the Site is located on North 9th Street directly north of Mechanics Laundry and directly south of Ed Grace Company, a division of Shambaugh & Son, Inc. Engineers and Contractors. The Site may be located (as shown in Figure 1) using the Lafayette West, Indiana 7-1/2 minute quadrangle map in the northeast quarter of Section 17, Township 23 North, Range 4 West.

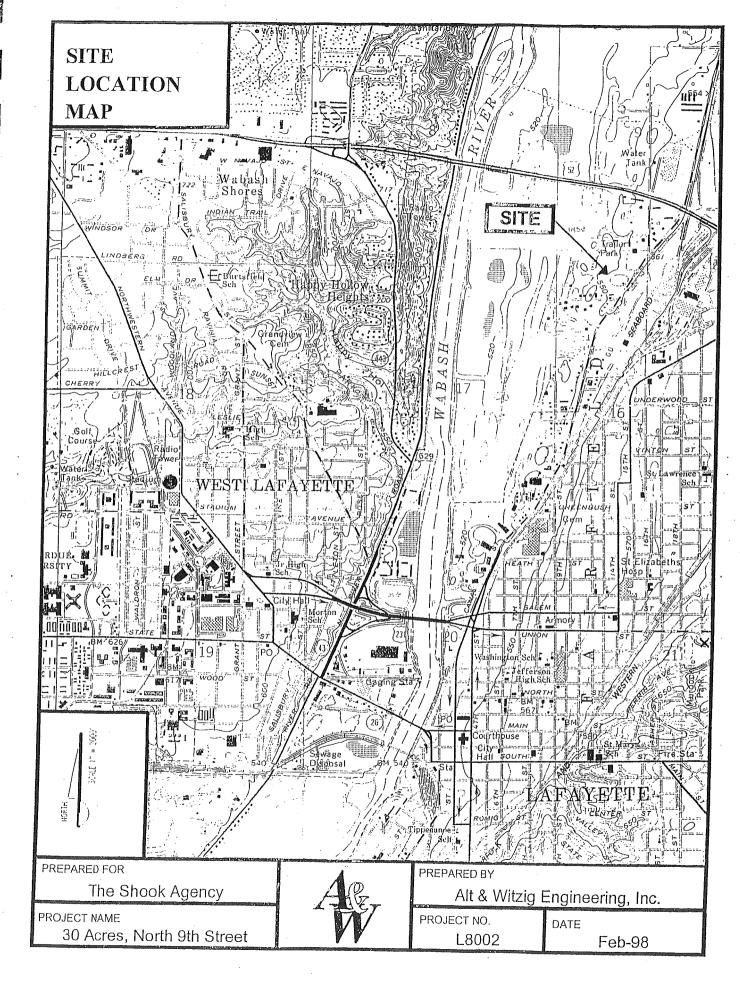
General Site Description

The Site consists of approximately 27 acres of land and contains a two-story residential dwelling which was formerly utilized as a private clubhouse. Ground cover consists of grass, trees and brush. The surface of the immediate Site is gently rolling, with a relief of up to 25 feet. A surface depression is observed on the property directly northwest of the two-story clubhouse. The approximate mean sea level (msl) elevation of the Site is 650 feet. Drainage on the Site is presently along the ground surface towards low-lying areas.

Adjacent Land Uses

The surrounding properties consist primarily of commercial properties. A trailer home park, two (2) vacant commercial buildings and Shambaugh & Sons, Inc. Contractors and Engineers border the Site to the north, with Robbin Bail Bonds and the Tippecanoe County Jail located further north of the Site. The Site is bordered to the south by Mechanics Laundry, K Rhodes Lawn Service and Mobile Auto Glass Installation Center, with Radiator Air and General Tire located further south. The Lafayette Municipal Golf Course, an associated garage and a residential dwelling border the Site to the west, with wooded property and U.S. 52 located further west. The east side of

the Site is bordered by North 9th Street, with Alford Tree Service, Canal Car Cleaning, a residential property and a railroad located further east.



GEOLOGY AND HYDROGEOLOGY

Regional Geology

The Site lies in the Tipton Till Plain physiographic unit of the State of Indiana. The Tipton Till Plain is typically flat to gently rolling ground moraines, punctuated by end moraines and modest entrenchment of streams that provide some topographic variability.

Topsoil on the Site consists of three (3) soil series including Fincastle silt loam, Fox loam and Oaktown loamy fine sand. These soils are described by the U.S. Department of Agriculture Soil Conservation Service as being slowly drained, moderately rapid drained and rapidly drained soils that formed in glacial till, calcareous sand and gravel and gravely and sandy alluvium, respectively.

The unconsolidated natural deposits in the vicinity of the Site have been mapped by the Indiana Geological Survey as being glacial tills. Tills commonly consist of a heterogeneous mixture of clay, silt, sand and some gravel with scattered cobbles and boulders. It is not uncommon for lenses of sand and gravel to be interbedded within the tills. Glacial drift thickness is approximately 150 feet in this area.

The Site lies in the Scottsburg Lowland bedrock physiographic unit of the State of Indiana.

Bedrock beneath the Site is black and greenish-gray shale of the New Albany Shale formation, and occurs at an elevation of approximately 500 feet mean sea level (msl).

Regional Hydrogeology

Water in this region is primarily withdrawn from the sand and gravel. Properly constructed wells in this area may yield up to 600 gallons per minute (gpm).

Based on the regional topography, the groundwater gradient of the principle aquifer beneath the Site is most likely in a westerly direction towards the Wabash River.

SITE HISTORY

The historical uses of the Site were established by interviews with Mr. David Wilhite, trustee of current owner, and evaluation of public records and historical documents. This evaluation assists in determining past usage or practices that may have generated, stored or accepted for disposal hazardous materials or wastes.

Ownership records are indicative of a property's past use; however, are not a guarantee of actual historical activities. The following ownership information was reviewed at the Tippecanoe County Auditor's office:

	Owner		Transfer <u>Date</u>
1.	Trustees of Vivian Y. Grace		9/10/92
2.	Ed Grace Company, Inc.		8/10/65
3.	Barbara Thieme, Etal.	4.1 × 1	Prior to 1937

Interviews

Discussion with Mr. Wilhite, indicated that the Site was historically utilized by Mr. Ed Grace as a private clubhouse and three-hole golf course. Several metal tees and water spigots are located throughout the property, which according to Mr. Wilhite, are associated with the sprinkling system for the golf course. A mound is also located approximately 15 feet south west of the clubhouse which was designated at the tee. Mr. Wilhite stated that he was unsure of the age of the clubhouse, but was aware of a 275 gallon heating oil UST located in the basement of the clubhouse. Mr. Wilhite also stated that the depression located northwest of the clubhouse was formerly utilized as a landfill for general refuse from the clubhouse and Ed Grace Company, Inc.. Further, Mr. Wilhite indicated that the refuse was excavated by Fauber Construction and properly disposed.

Mr. Wilhite was not aware of the area filled in with concrete directly south of the tee. Mr. Wilhite did not indicate any environmental concerns with the Site beyond the knowledge of the landfilling practice and the UST.

Aerial Photographs

Aerial photographs dated 1939, 1957, 1963, 1968, 1971, 1976 and 1987 were reviewed at the Tippecanoe County Natural Resource. The 1939 and 1957 aerials depict the Site as grassy and wooded with a residential dwelling located on the eastern portion of the property along North 9th Street. The surrounding properties are agricultural and undeveloped to all directions with the exception of a railroad located to the east of the property beyond North 9th Street. The 1963 through 1971 aerials depict the Site as similar to the earlier aerials with commercial development to the north and south. The 1976 aerial depicts the Site as similar to the earlier aerials with additional commercial development to the north and south and the development of the Lafayette Municipal Golf Course to the west. The 1987 aerial depicts the Site and surrounding area as similar to that seen on the day of the reconnaissance.

Sanborn Maps

Sanborn Fire Insurance Maps were developed from the late 1800s through the 1950s, to provide information on locations of structures and operations during the time of the specific survey. These maps provided information on UST locations, industrial processes, and commercial locations in a given neighborhood over time. Sanborn maps were not created for this area.

Previous Environmental Reports

A report performed by Heritage Remediation/Engineering, Inc. (Heritage) documenting the removal of 585 tons of waste material from the landfill area on the Site was provided by Mr. Shook for review. Based on the report, Heritage was retained by Fauber Construction Company, Inc. to

Grace Property

provide technical oversight during the removal of debris from the Grace Property. The materials visually identified in the landfill area consisted of refrigerators, water heaters, tires, chemical containers, wood products and general refuse. The materials were disposed by Ed Grace Company, a former plumbing contractor, and its employees.

Heritage used an organic vapor analyzer (OVA) to monitor the levels of airborne volatile organic compounds in the pit as debris and materials were removed. Based on the Heritage report, no readings above background levels were obtained with the OVA. During the excavation, a 55-gallon drum containing less than one (1) gallon of a water soluble cutting oil was removed. OVA readings from the drum were below background levels. No other materials which would cause environmental concern were identified during the excavation activities.

Based on the Heritage report, the debris was placed in the landfill area in layers with moderate amounts of soil between the layers. Excavation activities progressed at the Site to a depth of 10 feet below surface grade to the top of a soil layer. Debris was observed beneath this soil layer. At this point, test pits were excavated at 10 to 15 foot intervals along the bottom of the excavation. The pits were excavated to a depth at which no additional debris was observed (two (2) to six (6) feet). The debris observed in the pits was similar to the debris excavated during the prior site activities. No visible materials were noted which presented environmental concerns. Based on these findings, excavation activities were halted. The area was roughly graded, but left open for future investigation.

SITE RECONNAISSANCE

A reconnaissance of the Site was performed by an Alt & Witzig project manager on February 11, 1998. The Site consists of approximately 27 acres of land containing a two-story residential dwelling constructed on a rock foundation and partial basement. (See Photos 1 and 2). The property is grassy with wooded areas on the north, south and west sides, as well as, in a surface depression located directly northwest of the two-story dwelling (See Photo 3). The surface depression was formerly utilized as a landfill for general refuse from the clubhouse and from Ed Grace Company, Inc..

The dwelling was utilized as a private clubhouse for Mr. Ed Grace and the remainder of the property contained an associated three-hole golf course. A mound located approximately 15 feet west of the clubhouse served as the tee for the golf course. Valves associated with a sprinkling system for the golf course were observed throughout the property (See Photo 4). An area filled in with concrete is located directly south of the tee. The past usage of the concrete area could not be determined.

A fill pipe and a vent pipe associated with a heating oil underground storage tank (UST) were observed extending from the basement on the north side of the two-story clubhouse (See Photo 5). Alt & Witzig personnel were not able to access the home during the reconnaissance.

During our inspection, no evidence of hazardous wastes or hazardous waste generating operations were observed. In addition, a walkthrough of the Site indicated no evidence of staining or stressed vegetation.

Grace Property

Miscellaneous Debris

Miscellaneous trash and debris was observed in the area of the former landfill, along the southwest corner of the Site and in the northeast corner of Site. Examples of some of this trash and debris include an empty 55 gallon drum, a 5 gallon bucket, an empty gasoline container, a used battery, empty motor oil bottles and rusted metal machinery (See Photos 6, 7 and 8).

There was no evidence to indicate that the trash and debris observed on the Site poses an environmentally hazardous concern, with the exception of the battery. It is recommended that the solid waste (trash and debris) either be recycled or disposed of properly.

<u>Utilities</u>

The Site is currently served by an on-Site well and septic system.

Aboveground Storage Tank

The garage for the Lafayette Municipal Golf Course is located adjacent to the southwest corner of the Site and utilizes an aboveground storage tank. The tank has an approximate capacity of 100 gallons. There was no evidence of surface staining, discoloration, or stressed vegetation near the tank which would indicate the above ground tank had not leaked or been overfilled.

<u>Asbestos</u>

Asbestos containing building materials (ACBM) were widely used in the construction industry prior to the mid 1970s. Materials that typically may contain asbestos are thermal pipe insulation, pipe joint wrappings, vinyl floor tile and floor sheeting, ceiling tiles, transite panels, some wallboard and plasters, and roofing materials.

Although the use of ACBM has not been totally banned by federal legislation, the potential liability associated with ACBMs has greatly deterred the use of these materials in more recent building construction.

The clubhouse is at least 60 years of age and was visually inspected for potential asbestos containing materials (ACM). Alt & Witzig personnel were unable to access the building, but were able to inspect the exterior, as well as, a limited portion of the interior through windows. On the day of our investigation, suspect ACM was observed in the form of, but not limited to, roofing materials and wallboard.

Asbestos poses a unique problem in that its removal is not always necessary. ACM may remain in place as long as they are monitored regularly and are in a non-friable condition. On the day of the investigation, the above materials appeared to be in good condition.

It is recommended that if renovation or demolition occurs at the Site, then a qualified asbestos environmental professional or contractor complete an asbestos survey of the building structures. According to National Emissions Standards for Hazardous Air Pollutants (NESHAPS), renovation is defined as altering materials covered or containing asbestos. Demolition is defined as wrecking or removing load-bearing structures. All materials found to contain asbestos should be properly addressed prior to renovation or demolition according to local, state and federal codes.

Polychlorinated Biphenyls (PCBs)

PCBs were used as a dielectric additive to mineral oils. These oils were commonly used in high current electrical transformers. The PCBs slow the breakdown of the mineral oil in the transformer when subject to high electrical currents. The oils containing PCBs were often used in other applications. The relative toxicity and carcinogenicity of PCBs, and the relatively long stability of these chemicals has forced a great reduction in the use of PCBs. PCBs have not been domestically produced since the mid 1970s. The Toxic Substance Control Act (TSCA) regulation 40 CFR 761, 49 Federal Register 44683, has restricted the use of PCBs in any equipment and oils unless specifically approved by the U.S. EPA.

Electrical Transformers:

Four (4) pole-mounted electrical transformers were located adjacent to the Site. Three (3) transformers were located along the southern fence of property and the remaining transformer was located adjacent to the southeast corner of the Site. Cinergy, who maintains the electrical transformers at the Site, indicates that all non-PCB transformers are marked with a "blue" sticker. Three (3) of the transformers have this sticker and should not be considered as PCB contaminated. The remaining transformer was unmarked and should be considered as PCB contaminated. In the event of a transformer incident, the oils and affected soils should be treated as PCB contaminated until laboratory testing confirms otherwise.

The transformers located at the Site appeared well maintained and there was no evidence of leakage or staining around the transformers. Concerned parties may have the electrical transformer oils tested for PCBs at the cost of the requesting party.

Wetlands

Wetlands are those areas of ground surface that are inundated or saturated by surface or groundwater under normal circumstances. Wetlands support a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands will generally be found in floodplain along drainage ways, areas of topographic depression, or around the periphery of lakes.

Section 404 of the Clean Water Act established the major federal program to regulate activities in wetlands or other regulated "waters of the United States". Under this section, the discharge of dredged or fill materials into most wetlands is not permitted without approval from the Army Corps of Engineers and IDEM. Wetlands may also be regulated under various other State and local laws.

The U.S Department of Interior Fish and Wildlife Service has developed Wetlands Inventory Maps for most of the areas of the United States. According to the Wetlands Inventory Map, there are no areas classified as potential wetlands on the Site. Further, no areas were observed on the Site that exhibits characteristics similar to that of wetlands.

<u>Underground Storage Tanks (USTs)</u>

Our investigation indicated that a 275 gallon capacity heating oil UST exists on the Site.

Based upon the available information, the tank is located in the basement of the clubhouse. Alt & Witzig personnel were not able to access the clubhouse, and therefore, could not determine if the contents of the UST have impacted the Site.

Radon

Radon is an invisible odorless gas formed during the radioactive decay product of uranium. The presence of radon in homes has recently become a concern as the increasing insulation in the modern homes and buildings has forced the radon gas to accumulate in the homes, rather than escape in the natural convection patterns. Radon enters buildings through the basements or cracks in the concrete floor slab by natural diffusion.

The radioactive decay of radon to the solid daughter product Polonium, may occur while the gas is in human lungs. This imbeds radioactive particles in the lung materials and, subsequently increases the susceptibility to cancer of people exposed.

Concentrations of radon gas, measured by the radioactive decay, above 4 picocurries per liter (pCi/l) are suggested by the U.S. EPA as being potentially threatening to human health. At concentrations above 20 pCi/l, remediation and abatement is recommended.

Radon testing was not performed as a part of this investigation. Indiana is not considered to be in a high risk area. According to the Department of Natural Resources, Geological Survey Map

of Relative Radon Potential Ratings, the Site is located in a low to moderate area of the State of Indiana.

REGULATORY FILE REVIEW

County Health Department

Conversations with Mr. Ron Noles of the Tippecanoe County Health Department did not

indicate any environmental concerns with the Site.

EPCRA Sites

The Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986, was

enacted as a provision of the Superfund Amendments and Reauthorization Act (SARA), Title III of

1986, to compel state and local governments to develop plans that would provide to the general

public information about hazardous substances in their communities, and institute emergency

planning procedures at the local level in the event of a release of hazardous chemicals into the

environment. The statute requires businesses that utilize, or possess, potentially hazardous

substances to notify state and local emergency planning entities of the presence of these substances

at their facilities, and to report environmental releases, planned or unplanned, of these substances.

One (1) EPCRA facility exists adjacent to the Site.

1. Mechanics Laundry & Supply Company

2438 North 9th Street

Lafayette, Indiana

Location: Adjacent to south of Site

A review of IDEM files did not indicate any environmental concerns or violations at the

above EPCRA facility.

Grace Property

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Emergency Response Records

The IDEM Emergency Response Division maintains records of reportable spills in Indiana. A reportable spill is "any unexpected, unintended, abnormal, or unapproved dumping, leakage, drainage, seepage, discharge or other loss of oil, hazardous substances and/or otherwise objectionable substance which enters or threatens to enter the waters of the State" (327 IAC 2-6-1).

According to Indiana's spill regulation, reporting is required for spills "of such volume or mass as to cause or threaten to cause damage to the public health, safety and welfare, aquatic biota, animal life, plant life or recreation, domestic, commercial, industrial or agricultural uses" (327 IAC 2-6-2).

According to IDEM Emergency Response files, there have been no reported spill incidents on or adjacent to the Site.

Off-Site Underground Storage Tanks (USTs)

Subtitle I of RCRA was amended in 1984, to provide for the development and implementation of a regulatory program for USTs containing regulated substances and petroleum, and releases of these substances into the environment. Not all USTs are regulated under Subtitle I. For instance, farm and residential tanks holding less than 1,100 gallons, heating oil tanks, septic tanks, flow-through process tanks, and tanks holding 110 gallons or less are not currently regulated under Subtitle I.

According to a review of IDEM files, there is one (1) registered UST adjacent to the Site.

1. Ed Grace Company

Duncan Road & 9th Street Lafayette, Indiana Location: Adjacent to north of Site

In February 1993, three (3) tanks removed and permanently closed on the property. The tanks consisted of a 1,000 gallon fuel oil tank and two (2) 500 gallon gasoline tanks. Shambaugh &

Grace Property 18

Sons, Incorporated completed the tank removal and ATEC performed confirmatory soil sampling. Two-hundred and seventy cubic yards of contaminated soils were excavated during the tank removals.

Due to the tank removals, these USTs are not expected to have threatened the environmental quality of the Site.

Leaking Underground Storage Tanks (LUSTs)

A review of IDEM and LUST files indicated that one (1) additional LUST exist within a one-half (1/2) mile radius of the Site.

1. CSX Seaboard System Railroad

1750 Monon Avenue

Lafayette, Indiana

Location: 1/4 mile east of Site

Information was not available for the above facility at IDEM files. A request has been made with the Region 5 Environmental Protection Agency for information regarding above listed property. Any pertinent information shall be forwarded upon receipt. However, due to the distance from the Site, this LUST incident is not expected to have threatened the environmental quality of the Site.

RCRA Facilities

The Resource Conservation and Recovery Act (RCRA), passed in 1976, established a regulatory system to track hazardous substances from the time of generation to disposal. It also requires safe and secure procedures to be used in treating, storing, and disposing of hazardous materials. A RCRA listing is not a direct indication of environmental concerns with a site. According to IDEM and the U.S. Environmental Protection Agency (U.S. EPA) listings, there is one (1) active RCRA facility adjacent to the Site.

1. Hudlow's

2438 North 9th Street Lafayette, Indiana

Location: Adjacent to south of Site

Hudlow's is a small quantity generator of 220-2,200 pounds per month. A review of IDEM files did not indicate any environmental concerns or violations at the above RCRA facility.

RCRA TSD Sites

A review of IDEM files and U.S. EPA lists indicated that there is one (1) RCRA Treatment Storage and Disposal (TSD) sites within a one (1) mile radius of the Site.

1. Landis & Gyr Metering, Inc.

3601 Sagamore Parkway South

Lafayette, Indiana

Location: ¼ mile north of Site

Landis & Gyr Metering, Inc. has on-Site groundwater and soil contamination from a settling pond and drum storage area. TCE and PCE levels have been identified in groundwater and levels arsenic, barium, chromium and lead have been identified in soils. Groundwater was delineated at the facility and flows south to southwest in the shallow water table and west to southwest in deeper water tables. A Corrective Action Plan has been submitted to the Indiana Department of Environmental Management and is pending approval. Once clean-up is completed at the facility, the status will be changed from RCRA-TSD to RCRA.

Based on the distance from the Site, this facility is not expected to impact the environmental quality of the Site.

CERCLIS Sites

The 1980 Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or Superfund established a system to identify and clean-up hazardous waste sites not subject to other regulatory action. The CERCLIS is used to identify possible sites that may have sufficient environmental problems to require clean-up under the National Contingency Plan (NCP). A site is listed under CERCLIS for past or suspected problems with hazardous waste treatment,

storage or disposal practices. According to IDEM and U.S. EPA listings, two (2) CERCLIS sites exist within a one (1) mile radius of the Site.

Piskering Property 2453 North 9th Street Lafayette, Indiana

Location: 1/8 mile north of Site

Landis & Gyr Metering, Inc. 3601 Sagamore Parkway South Lafayette, Indiana

Location: 1/4 mile north of Site

No further remedial action is planned for the above listed CERCLIS sites. Based on the distance from the Site, these facilities are not expected to have affected the environmental quality of the Site.

NPL Sites

According to the IDEM and U.S. EPA lists, there is one (1) National Priority List (NPL) facility within a one (1) mile radius of the Site.

1. Tippecanoe Sanitary Landfill North 9th Street, ½ mile north of US 52 Lafayette, Indiana 47905 Location: ½ mile north of Site

Tippecanoe Sanitary Landfill is a Superfund Site. Information was not available for the above facility at IDEM files. A request has been made with the Region 5 Environmental Protection Agency for information regarding above listed property. Any pertinent information shall be forwarded upon receipt.

However, due to the distance from the Site, this landfill is not expected to have threatened the environmental quality of the Site.

Grace Property

Landfill/Solid Waste Facilities

According to IDEM lists, there is one (1) permitted solid waste facility within a one-half (1/2) mile radius of the Site.

1. Tippecanoe Sanitary Landfill
North 9th Street, ½ mile north of US 52
Lafayette, Indiana 47905
Location: ½ mile north of Site

ENVIRONMENTAL ASSESSMENT CONCLUSIONS

Our conclusions are based on the following summary and information available within the limited scope of this investigation.

Available Indiana Department of Natural Resources water publications, IDEM records, geologic maps, and published reports have been reviewed to determine any environmental concerns at the Site. On February 11, 1998, our project manager performed a Site reconnaissance to determine evidence of contamination or the potential for subsurface contamination.

During the Site reconnaissance, a two-story residential dwelling situated on approximately 27 acres of land were observed. The following environmental concerns were noted during the assessment:

- 1. Potential asbestos containing materials (ACMs) were observed on the home in the form of, but not limited to, wallboard and roofing materials.
- 2. Potential subsurface contamination in the area of the heating oil UST.
- 3. Approximately two (2) to six (6) feet of waste material exists at the bottom the former landfill which should be excavated and removed from the Site with confirmatory samples being obtained.
- 4. A battery is located on the northeast portion of the Site and should be either recycled or properly disposed.

Within the scope of an investigation such as this preliminary assessment, the potential for unintentional omission of data may exist. Based on evidence collected and summarized in this investigation, it is our opinion that the potential risk for environmental liabilities associated with the Site exist and further investigation and testing are warranted. Our opinion is based on generally accepted engineering practices designed to minimize environmental liability.

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- IDEM, UST Section, UST Files
- IDEM, LUST Section, LUST Files

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- IDEM, Office of Solid and Hazardous Waste Management, Site Investigation Section (Aug 1997), RCRA-TSD Site List
- IDEM, Office of Solid and Hazardous Waste Management, Site Investigation Section (Oct 1996), NPL Site List
- IDEM, Office of Solid and Hazardous Waste Management, Site Investigation Section (Jan 1996), Landfill/Solid Waste Site List

Interviews:

- Mr. David Wilhite, representative of current owner
- Mr. Ron Noles, Tippecanoe County Health Department

APPENDIX A

Site Photographs

PHOTOGRAPH DESCRIPTIONS

Photo 1:

View of Site to the north showing two-story

clubhouse.

Photo 2:

View of Site to the east showing acreage with two-

story clubhouse beyond.

Photo 3:

View of Site to the west showing woods along border

of property and wooded surface depression located

directly northwest of clubhouse.

Photo 4:

View of valves and spigot associated with Site

sprinkler system.

Photo 5:

View of clubhouse to north showing location of UST

pipes and cellar.

Photo 6:

View of debris located by surface depression.

Photo 7:

View of debris on southwest corner of property.

Photo 8:

View of debris on northeast corner of property.

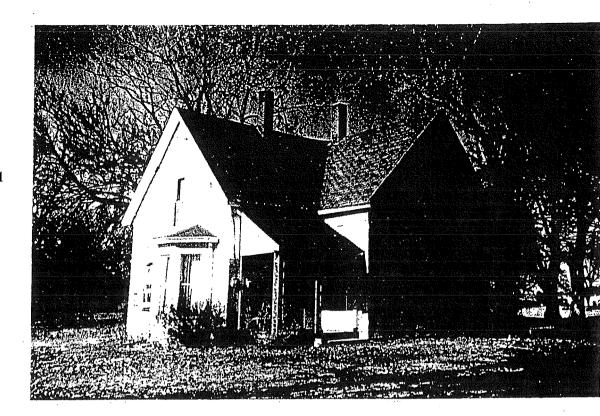


PHOTO 1



PHOTO 2



РНОТО 3

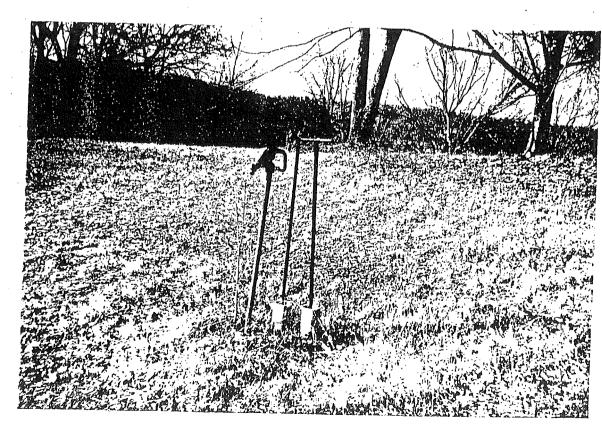
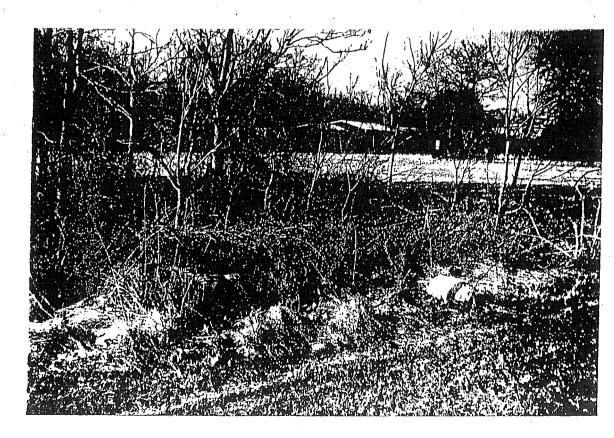


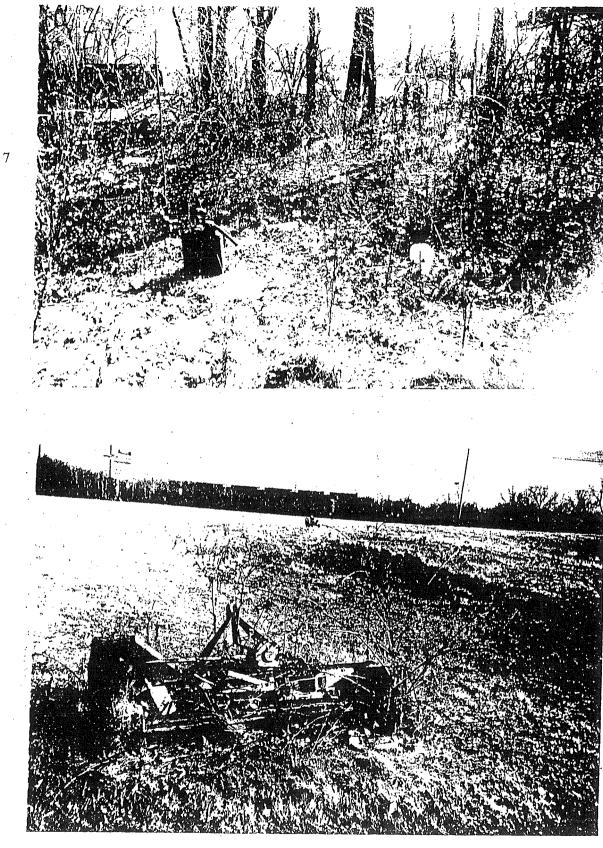
PHOTO 4



PHOTO 5



РИОТО 6



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РНОТО 8

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PHASE I REPORT 2132 PREPARED FOR:

Dennis H. Carson
LUEA

337 Columbia Street, P.O. Box 277

Lafayette, Indiana 47902-0277

June 19, 2004

SITE LOCATION

"Grace" Property

North 9th Street Road

Lafayette, Indiana

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EXECUTIVE SUMMARY

1.1 FINDINGS

The following known or suspect environmental conditions have been identified. These include known or suspect recognized or historical environmental conditions, material threats, institutional or engineering controls, and de minimis conditions. No known or suspect environmental conditions have been identified.

- 1.2 PROFESSIONAL OPINION/COMMENTS(without warranty, express or implied)
- The following logic or reasoning has been used to determine if any of the issues listed in the Findings Section (1.1) will environmentally impact the subject site.

The subject site was developed as agriculture in the early 1800's. It remained agriculture until about 1980 when a private three hole golf course was built. The private golf course use was discontinued in the 1990's. During the construction of the golf course material to elevate the greens and tees was apparantly taken from near the center of the property. This resulted in a "gully" or depression. Over several years the owner, Ed Grace Company, used the area to dispose of household trash and appliances. Much of this was removed in 1991, however in the bottom of the now existing gully some still remains. Exploration in 1991 determined that no hazardous or petroleum material existed. If construction activity over this area is contemplated this trash may be required to be excavated for stability. The twenty-six acres has been held as undeveloped commercial land. The former farm buildings have all been demolished. One active CERCLIS site, the old Monon Repair Shop (IND985104413), is within 0.5 miles and up gradient from the subject site. The IDEM project manager, Tim Johnson, was interviewed. He has no knowledge of contamination on the Monon site that has migrated off the site. More

testing is planned for later this summer. Tippecanoe Sanitary Landfill is an NPL site within 1.0 mile. The subject site is cross gradient from Tippecanoe Sanitary Landfill. No indication of contamination from hazardous materials or petroleum products that would affect the subject site was found

The limited nature of this report leaves the potential for hidden or unintentional omission of information. Some information is subjective, thus subject to error.

1.3 CONCLUSIONS

PHASE I Environmental Engineering has performed a phase one environmental site assessment in conformance with the scope and limitations of ASTM Practice E1527-00 and the Proposal, for a site known as "Grace Property" on North 9th Street Road in Lafayette, Indiana for LUEA. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

l Sincerely,

PHASE LEnvironmental Engineering

William M. Reid, Professional Engineer

President

PROPOSAL

2.1 PURPOSE

A phase I environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environment Response Compensation and Liability Act (CERCLA) and petroleum products is conducted to permit the user to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA liability; that is, the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC 9601 (35) (B).

2.2 SCOPE

This phase I site assessment conforms with ASTM Standard Practice E1527-00. The terms, conditions, and definitions of ASTM Standard Practice E1527-00 are hereby made a part of this scope. [ASTM, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959, (610)-832-9585]

Reports are confidential, however PHASE I Environmental Engineering will report to the proper regulatory body any findings that current law requires to be reported and Client hereby authorizes such report(s) to be made. Client agrees to provide PHASE I Environmental Engineering personnel "right of entry" to the subject site. The report will be limited to the subject site.

2.3 USERS RESPONSIBILITY

These are tasks that do not require technical expertise and are not generally performed by an environmental professional. However they may be performed by the user or his agent and the information then given to the environmental professional for his consideration in preparing a report. These tasks include title record searches for chain of ownership, environmental liens, land use limitations, and any specialized knowledge or experience regarding the site. The user will communicate the purpose of conducting a phase I site assessment.

2.4 RELIANCE

This report and any opinion expressed are for the sole use of the party named in Section 1.3. Unnamed parties may not rely on any information contained in this report. This report is valid for 180 days from the date of the report unless substantial changes occur on the site within the 180 day period.

2.5 ELIMINATION OF UNCERTAINTY, TIME & COST LIMITATIONS

No environmental site assessment can wholly eliminate uncertainty. Appropriate inquiry does not mean an exhaustive investigation of a property. There is a point at which the cost of information obtained and the time required to obtain it outweigh the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. Furthermore, the level of investigation is related to the degree of uncertainty that is acceptable to the user. Client acknowledges professional judgment and interpretation are inherent in the process and uncertainty is inevitable. Additional investigation may be able to reduce the uncertainty but it can never be eliminated. Phase I Environmental Site Assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made.

2.6 DEFINITIONS

- 2.6.1 Recognized Environmental Conditions are the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minims conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.
- 2.6.2 **Historic and recognized environmental conditions -** environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision will be influenced by the current impact of the environmental condition on the property.

2.7 AFFECT OF PHASE ONE ASSESSMENT

The Client acknowledges that the results of the assessment may have an impact on the value of the real estate inspected, and/or economic consequences related to the cost of environmental studies and clean-up activities. Such factors are acknowledged to be inherent in the assessment process and are not attributable to PHASE I Environmental Engineering in the conduct of its responsibilities pursuant to any agreement resulting from this proposal associated with findings, reports or other information resulting from the phase I environmental site survey.

2.8 GOVERNMENTAL RECORDS

Various Federal, State, or Local Governmental Records shall be reviewed and the results of this review included in the reports. PHASE I Environmental Engineering will make its report, findings, opinion, and conclusions in part based on the information available from governmental records at the time of the review. Client agrees that PHASE I Environmental Engineering is not responsible for findings, opinions, conclusions, or summaries based on governmental information that is incomplete, inaccurate, effectively unavailable, or that has not been officially released to the public at the time of the review.

2.9 TERMINATION

Either party may terminate the agreement contemplated by this proposal without cause upon five days notice in writing. Upon such termination, PHASE I Environmental Engineering shall be entitled to a pro rata share of any amounts due based upon work performed to the date of termination.

2.10 COST

PHASE I Environmental Engineering will perform a phase I environmental site assessment including the services herein listed for the fee and terms defined in proposal 030-2132-0703.

2.11 SUMMARY

Based on the information gathered from investigations and reconnaissance a report will be presented to you in a timely manner. There is always the possibility of inadvertent omission of information and of hidden contamination on the site. Some information is subjective, thus subject to error. Reports will only be held by PHASE I Environmental

Engineering for three (3) years after the last date of work on the project. If a report is desired, it must be requested within this 3-year time period.

SECTION 3.0

USERS RESPONSIBILITIES

3.1 OBJECTIVE

Tasks that are nontechnical or information the user may provide.

3.2 PURPOSE OF CONDUCTING A PHASE I SITE ASSESSMENT

The purpose of this phase I site assessment is for property transfer.

3.3 TITLE RECORDS

- 3.3.1 Environmental Liens None were provided.
- 3.3.2 Land Use Limitations None were provided.
- 3.3.3 Chain of Ownership Not provided

3.4 SPECIALIZED KNOWLEDGE/EXPERIENCE

The client communicated no information that would pertain to recognized environmental conditions in connection with the property.

SECTION 4.0

RECORD REVIEW

4.1 OBJECTIVE

The purpose of the records review is to obtain and review records that will help identify recognized environmental conditions in connection with the property.

4.2 CERCLIS

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) was passed in 1980 to establish, among other things, a system to identify and clean up sites contaminated with hazardous material. The CERCLIS list is used to identify sites with potentially severe problems. The highest rated sites are put on what is known as The National Priority List (NPL).

A review of U.S. Environmental Protection Agency (EPA) records provided via the world wide web (www) dated March, 2001show the following:

4.2.1 Subject Site - Not Listed

4.2.2 Federal NPL Sites within 1.0 mile

Tippecanoe Sanitary Landfill

North 9th Street

Lafayette, Indiana

This site is over 0.5 mile north of the subject site and is cross gradient. It will not affect the subject site.

4.2.3 Federal CERCLIS Sites within 0.5 mile

IND985104413

Old Monon Rail Rebuild Shop

1750 Monon Avenue

Lafayette, Indiana 47902

The above listed site has no known contamination that would affect the subject site according to Tim Johnson, IDEM Site Investigation, 317-232-3220. IDEM plans to have additional testing done later this summer.

4.2.3 Federal CERCLIS NFRAP Sites for adjoining property - None

4.3 IDEM HAZARDOUS SITES

The Indiana Department of Environmental Management maintains a list of sites that are scored and ranked according to estimated threat to the general health and safety of the population of Indiana.

A review of IDEM's list dated December, 2000 reveals the following:

- 4.3.1 Subject Site Not Listed
- 4.3.2 State Hazardous Waste Site within 0.5 mile None

4.4 RCRA

Resource Conservation and Recovery Act was enacted to keep track of hazardous material from generation or manufacture to disposal. Firms generating waste material defined as hazardous above specified levels are required to register. Facilities that treat, store, or dispose of hazardous waste are categorized separately as TSD facilities and have additional requirements. U.S. Environmental Protection Agency (EPA) records provided on the www show the following:

- 4.4.1 Subject Site Not Listed
- 4.4.2 TSD Sites within 0.5 mile

Siemens Power Transmissions

3601 Sagamore Parkway North

Lafayette, Indiana 47904

The above listed site was vacated by Siemens and was vacant for some time. It is now being redeveloped. The former Siemens Plant is north of the subject site and cross gradient.

4.4.3 RCRA Generators for adjoining property

INR 000023002

Former Mechanics Laundry

810 Widewater Drive

Lafayette, Indiana 47904

This facility is now vacant and cross gradient from the subject site.

4.4.4 CORRACTS TSD Sites within 1.0 mile

Siemens Power Transmission

3601 Sagamore Parkway North

Lafayette, Indiana

See 4.4.2 above.

4.5 ERNS

The Emergency Response Notification System is a national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum. The ERNS reporting system contains preliminary information on specific releases. including the spill location, the substance released, and responsible party. IDEM Web page records were reviewed on June 17, 2004.

4.5.1 Subject Site - Not Listed

4.6 IDEM - UNDERGROUND STORAGE TANKS

Indiana Department of Environmental Management records a list of Underground Storage Tanks (UST) and also a list of Leaking Underground Storage Tanks (LUST). A review of computerized records provided by IDEM on June 17, 2004 and/or visual review show the following:

- 4.6.1 Subject Site Not Listed
- 4.6.2 UST Sites for adjoining properties None
- 4.6.3 LUST Sites within 0.5 mile

200312512/17293

Deactivated

Carter Oil

Duncan Road & Ferry Road

Lafayette, Indiana

199305536/9122

Low Priority

CSXT Lafayette Car Shop

1750 Monon Avenue

Lafayette, Indiana

None of the above listed sites will environmentally affect the subject site.

4.7 IDEM - LICENSED LANDFILLS

The State of Indiana licenses all Landfills (Solid Waste Disposal Sites).

- 4.7.1 Subject Site Not Listed
- 4.7.2 Landfills within 0.5 mile None

4.8 PHYSICAL SETTING SOURCES

The United States Geological Survey publishes 7.5 Minute Topographical Maps. These maps show surface and other features. The map showing the subject site was reviewed. (See Section 9.0, Figure 1)

- 4.8.1 Subject Site Elevation is approximately 550 feet above sea level.
- 4.8.2 **Drainage** is to the west.
- 4.8.3 **The surface Topography** is sloping with a steep drop off to the flood plain of the Wabash River along the west side of the property.

4.9 HISTORICAL INFORMATION

4.9.1 Uses of the property back to the first obvious developed use, or back to 1940, whichever is earlier using standard historical sources.

(Aerial Photographs, Interviews) - The property was developed as agriculture in the early 1800's. It remained agriculture until the 1960's when a private three hole golf course was constructed. Some grading was completed to construct the golf course including the removal of some dirt in the center of the parcel which apparantly was used to elevate greens and tees. The golf course was abandoned in the 1990's and the last of the former farm buildings were demolished in the early 2000's. A substantial amount of trash was removed from this low area in 1991. See Section 5.6.4.

- 4.9.2 **Historical uses of properties in surrounding area.** The area was primarily agriculture.
- 4.9.3 Historical Recognized Environmental Conditions None
- 4.9.4 Engineering/Institutional Controls None
- 4.9.5 Material Threats to the Property None

SECTION 5.0

SITE RECONNAISSANCE

5.1 OBJECTIVE

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the property. The site reconnaissance was conducted on June 7, 2004.

5.2 OBSERVATIONS (visually and physically)

5.2.1 Exterior

- 5.2.1.1 <u>Property Periphery</u> The entire periphery of the subject site was observed. No hazardous material or petroleum products were noted on the subject site or adjacent property.
- 5.3.1.2 <u>All Structures Periphery</u> There are no structures.
- 5.2.1.3 From Roads (on and off property) The subject site was observed from North 9th Street Road.

5.2.2 Methodology

5.2.2.1 Grid/Pattern Used - The entire site was observed.

5.2.3 Limitations

5.2.3.1 <u>Adjacent Buildings/snow/etceteras</u> - Part of the site is overgrown with brush obscuring the ground.

5.3 GENERAL SITE SETTING

5.3.1 General Use of the Property

- 5.3.1.1 Observed Current Undeveloped Commercial Property
- 5.3.1.2 Observed Past Agriculture

5.3.2 Adjacent Property and Uses

5.3.2.1 North: Current - Commercial (Shambaugh & Sons,

Tippecanoe Co. Sheriff Storage, Mr. Fence It, Trailer Court)

Past - Same

5.3.2.2 East: Current - North 9th Street Road then Undeveloped

Commercial (Firewood Sales)

Past - Same

5.3.2.3 South: Current - Commercial (Vacant Building/former CINTAS,

Magic Glass, Rhode Landscaping)

Past - Same

5.3.2.4 West: Current - Residential/Commercial (Golf Course)

Past - Same

5.3.3 General Use of the Area

- 5.3.3.1 Observed Current Commercial
- 5.3.3.2 Observed Past Agriculture/Commercial

5.3.4 Geology/Hydrogeologic/Hydrologic/Topographic

- 5.3.4.1 Soils The soil map (Soil Associations of Indiana) indicates
 Fox-Ockley-Westland soil that is level and sloping well drained loamy soil
 on sandy and gravelly outwash deposits.
- 5.3.4.2 Bedrock is about 150 feet below the surface.
- 5.3.4.3 Gradient (underground water flow) is estimated to be to the west.
- 5.3.5 **General Description of Structures and/or Property** There are approximately twenty-six acres which was formerly agriculture and now is undeveloped commercial land. The former farm buildings have been demolished.
- 5.3.6 **General Description of Operations** The property is now vacant commercial land.
- 5.3.7 Roads/Parking Areas Not Applicable

5.3.8 Potable Water Supply

- 5.3.8.1 Well Wells are known to have been on the site while the golf course was present and a residence was on site. It is unknown if they are still functioning.
- 5.3.8.2 <u>City</u> The site is served by city water, however it is not connected.

5.3.9 Sewage Disposal System

5.3.9.1 <u>Type</u> - A septic system served the former farm buildings. City sewers are available but not connected.

5.3.9.2 Age - Not Applicable

5.4 INTERIOR AND EXTERIOR OBSERVATIONS

5.4.1 Hazardous Substances/Petroleum Products

- 5.4.1.1 Products and Quantity on Site
 - 5.4.1.1.1 Present There are no hazardous substances or petroleum products located on the site.
 - 5.4.1.1.2 Past Unknown
- 5.4.1.2 <u>Storage Conditions</u>
 - 5.4.1.2.1 Present Not Applicable
 - 5.4.1.2.2 Past Unknown
- 5.4.2 Unregistered Storage Tanks
 - 5.4.2.1 <u>UST/AST</u> There are no known tanks on site.
- 5.4.3 **Odors** No odors were noted.
- 5.4.4 Pools of Liquid (Standing Surface Water) None of these were noted.
- 5.4.5 Hazardous Substances/Petroleum Products (Unidentified Uses) None
- 5.4.6 Unidentified Substance Containers None

5.4.7 Polychlorinated Biphenyl (PCB)

- 5.4.7.1 Equipment There are no mounted electric transformers on the subject site.
- 5.4.7.2 Prior Usage None is known.

5.4.8 De minimis Conditions

- 5.4.8.1 Interior None were noted.
- 5.4.8.2 Exterior Not Applicable

5.5 INTERIOR

- 5.5.1 **Heating/Cooling** Not applicable
- 5.5.2 Stains/Corrosion Not Applicable
- 5.5.3 **Drains/Sumps** Not Applicable

5.6 EXTERIOR

5.6.1 Pits/Ponds/Lagoons

- 5.6.1.1 Site No pits, ponds, or lagoons are located on the property.
- 5.6.1.2 Adjacent Property None were noted.
- 5.6.2 **Stained Soil/Pavement -** No stains were noted that would appear to cause anenforcement action by EPA or IDEM in the opinion of PHASE I Environmental Engineering.

- 5.6.3 **Stressed Vegetation** The site was reviewed during the growing season, and no areas of stressed vegetation were noted.
- 5.6.4 Solid Waste (Fill/Trash) Some grading was done to build the former three hole golf course. This area was more like a deep gully and was used by the owner Ed Grace Company to dispose household debris consisting of sinks, refrigerators, etcetera. In 1991 five hundred and eighty-five tons were remove which included a substantial amount of dirt. Some household debris was left in the bottom of the ravine. Test holes were dug and the determination was made that no hazardous material or petroleum products were present. See Section 9.4 for a detailed report of the activities.

5.6.5 Waste Water/Drains

- 5.6.5.1 <u>Storm Water</u> The storm water is removed by surface drainage to the west.
- 5.6.5.2 Process Water Not Applicable

SECTION 6.0

INTERVIEWS

6.1 OBJECTIVE

The objective of interviews with the owner/occupants and government officials is to obtain information indicating recognized environmental conditions in connection with the property.

- 6.2. KEY SITE MANAGER/OCCUPANTS/USER/BUYER
 - 6.2.1 **When** The interview was held on June 7, 2004.
 - 6.2.2 Identify One of the owners, Jim Shook Sr., was interviewed.
 - 6.2.3 **Statement** The property was agriculture then in the late 1960's a three hole private golf course was built on the site. It is no longer in use and the former farm buildings have been demolished. Residential trash was removed from the property in the early 1990's.

6.4 HELPFUL DOCUMENTS

- 6.4.1 **Previous Site Assessment** A trash removal report dated February 25, 1992 completed by Heritage. See Section 5.6.4 and 9.4. A phase I Site assessment dated May 27, 1998 was done by Alt & Witzig. The issues of concern listed by Alt & Witzig were:
 - 1. Potential ACM's in the residence
 - 2. Potential subsurface contamination from a heating oil UST
 - 3. Trash covered by dirt left in the ravine
 - 4. A battery (car?) on site

These have been resolved as follows:

- 1. The residence has been demolished and removed from the site
- 2. The heating oil "UST" was an AST located in the basement. It was removed during demolition.
- 3. Buried trash was determined to be non hazardous in 1991. It does not pose an environmental issue, however it would need to be removed prior to construction activities in that area.
- 4. The battery has been removed.
- 6.4.2 Environmental Audits None are available.
- 6.4.3 Environmental Permits/Licenses None are presently needed.
- 6.4.4 **UST/AST Registration** No registration is required at this time.
- 6.4.5 Material Safety Data Sheets (MSDS) These are not on site.
- 6.4.6 Superfund Amendments and Reauthorization Act (SARA) None
- 6.4.7 Safety/ Spills Plans None are currently in effect.
- 6.4.8 **Hydrogeologic Reports** None are known.
- 6.4.9 Violations/Legal Action/Past/Current None are known.
- 6.4.10 Hazardous waste generator notices/reports None are known.

6.4.11 Geotechnical Studies - None are known.

6.5 LOCAL AGENCY OFFICIALS

6.5.1 **Fire/Health Department** - The Tippecanoe County Health Department was contacted on June 7, 2004. They had no records of any environmental problems on the site.

SECTION 7.0

NON-SCOPE CONSIDERATIONS

7.1 OBJECTIVE

The purpose of non-scope consideration is to list those issues outside the scope of ASTM Practice 1527 into which the user has requested inquiry.

7.2 ASBESTOS

Not Applicable

SECTION 8.0

EXCEPTIONS TO OR DELETIONS FROM ASTM STANDARD 1527

8.1 PURPOSE

The purpose of this section is to list any exception or deletions from ASTM Standard 1527-00 as required by the Standard.

- 8.2.1 4.0 Record Review Sites listed in governmental records that are within the distance requirements but have a barrier that would intercept or contain any contamination migration to the subject site are not listed.
- 8.2.2 4.2.3 Federal CERCLIS Sites within 0.5 mile CERCLIS Sites that have been archived by USEPA are sites that USEPA "based on currently available information does not plan to take further steps under the Federal Superfund Program." These sites are not listed as CERCLIS Sites in this report.
- 8.2.3 4.6 IDEM Underground Storage Tanks
 3.6.1 and 3.6.2 Subject Site and Adjoining Property These were reviewed by searching the IDEM computerized files and by visual observation.
- 8.2.4 5.4.1 Hazardous Substances/Petroleum Products/Drums/Containers Small quantities of maintenance items, cleaning materials, and/or

repair items that may contain hazardous material or petroleum products and are not listed in the Findings Section 1.1.

8.2.5 The following are not part of this report.

Any lead based paint on site.

Potential leakage from petroleum transmission pipelines

Subsidence or drainage from unknown underground structures.

Wetlands

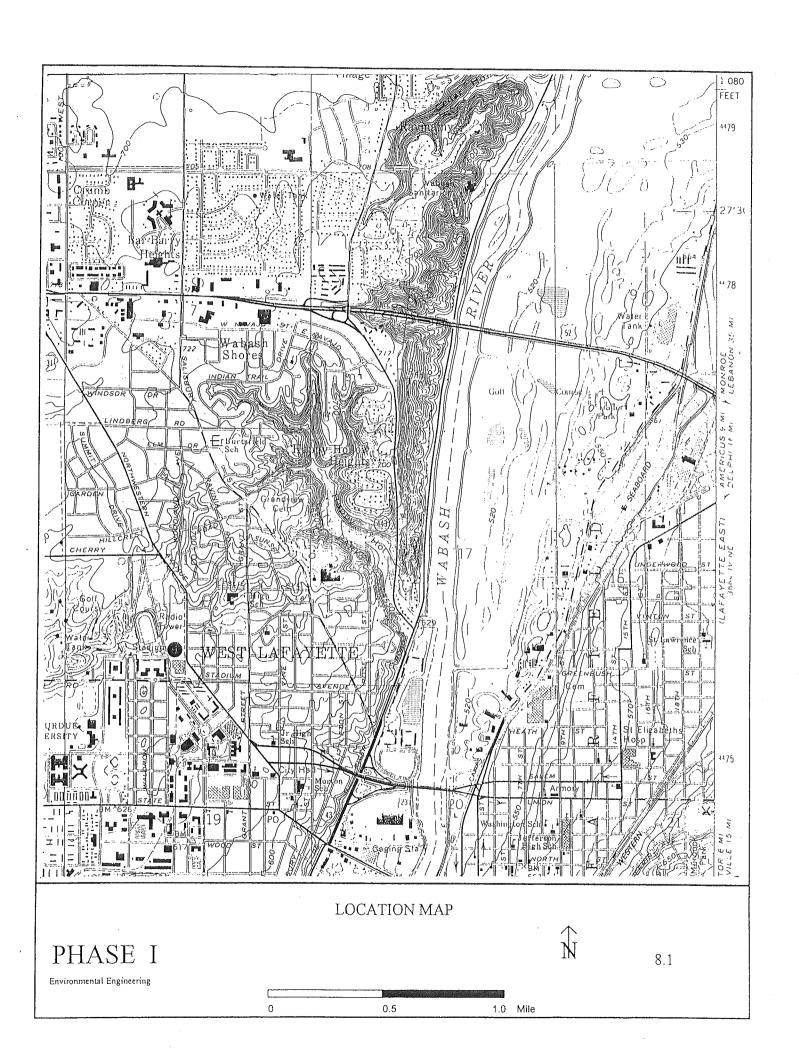
SECTION 9.0

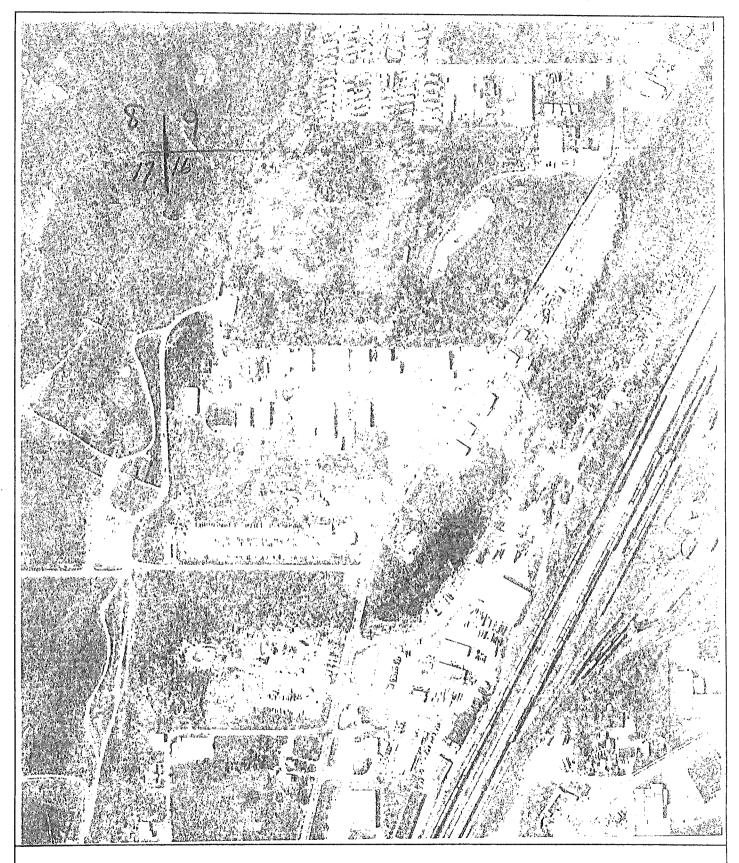
APPENDIX

OBJECTIVE

This section contains supportive documents.

- 9.1 Site Location Map
- 9.2 Site Map
- 9.3 View of Site
- 9.4 1991 Trash Cleanup

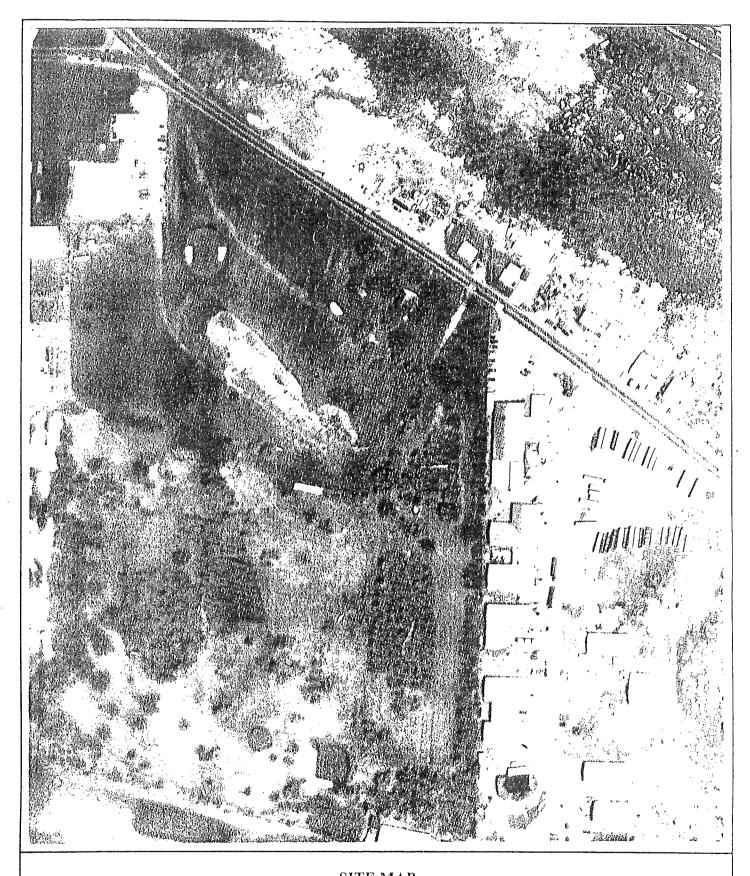




SITE MAP

PHASE I

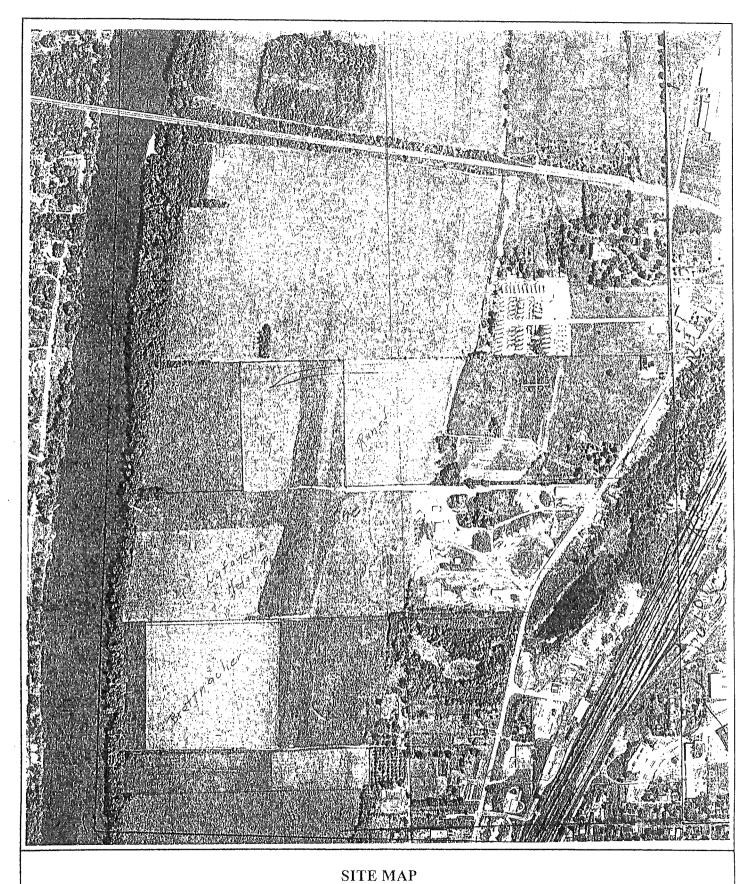
Environmental Engineering



PHASE I

SITE MAP

Environmental Engineering

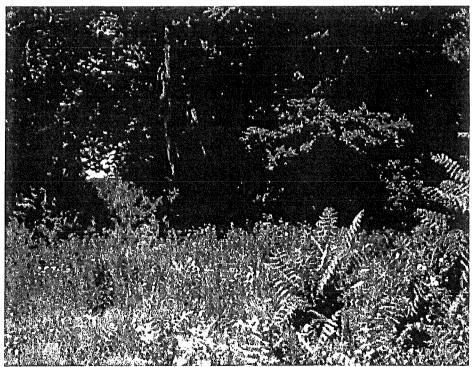


PHASE

1963



General view of site



Area of former farm buildings

VIEW OF SITE

HERITAGE REMEDIATION/ENGINEERING, INC.



P.O. Box 51020 Indianapolis, IN 46251 Phone: 317/243-7475 FAX: 317/243-2046

February 25, 1992

Mr. Gary Chapman Bose, McKinney, and Evans 2700 First Indiana Flaza 135 North Pennsylvania Avenue Indianapolis, IN 46204

Re: HR/E Site Activities
Grace Property

Dear Mr. Chapman:

The purpose of this letter is to transmit a report of Heritage Remediation/Engineering, Inc. (HR/E) findings and observations from site activities at the Grace property. HR/E services were based on proposal No. 911303.1 submitted to the Fauber Construction Company on September 12, 1991.

INTRODUCTION

The Fauber Construction Company, Inc. (Fauber) was retained by Bose, McKinney & Evans to remove waste materials and construction debris from the Grace property located at 2200 N. 9th Street in Lafayette, Indiana. The materials visually identified on-site prior to beginning the project included refrigerators, water heaters, tires, chemical containers, and wood products. These materials were located in a pit on the Grace property. It was said that the majority of waste materials in the pit were from the former Ed Grace Company, Inc. The Ed Grace Company was a plumbing contractor company. It was also HR/E's understanding, based on a conversation with Mrs. Ed Grace, President of the Ed Grace Company, that company employees disposed of residential household waste in the pit.

Heritage Remediation/Engineering, Inc. (HR/E) provided technical oversight for the project with regard to potential environmental compliance issues. HR/E stationed a project manager on-site during excavation activities to identify specific types of material that might pose a potential environmental concern, and to provide guidance if such materials were found.

Job #26153 TF921467.14 5 JAN 98 FROM: GLENWOOLD GOPF

1991 TRASH CLEANUP

PHASE I

9.4



Mr. Gary Chapman February 25, 1992 Page 2

PROJECT ACTIVITIES

During the excavation activities HR/E visually inspected the excavation site for materials that could pose a potential environmental concern such as waste oils, discolored soil, drummed industrial materials, painting materials, solvents, and insulation. HR/E used an organic vapor analyzer (OVA) to monitor for the presence of airborne volatile organic compounds. OVA readings were obtained from the pit as debris and materials were removed. No readings above background conditions were obtained with the OVA. Site activities were conducted from October 28 to November 7, 1991. Three (3) days of site activities were lost due to rain delays.

On Monday October 28, 1991, a partially crushed 55-gallon metal drum was removed from the excavation. The drum contained a small amount (less than one gallon) of what appeared to be water soluble cutting oil. OVA readings for the drum were also at background levels. The drum was set aside and arrangements were made to dispose of the oil with Fauber's waste oil that is picked up by Petroleum Management in Indianapolis on a regular basis.

No other waste materials which would cause environmental concern were readily identified during the excavation activities. The materials removed from the Grace property appeared to originate from construction activities. These materials included piping, wood, water heaters, and wire in addition to certain household wastes such as paper products, bottles, and cans. The 55-gallon metal drums that were removed appeared to have been used for burning residential household waste.

Field observations noted during site activities indicated that debris was likely placed on the Grace property in lifts, or layers. Moderate amounts of soil were present between layers, and the transfer station operators objected to large amounts of soil mixed in with the loads of debris. Excavation activities progressed to an approximate depth of 10 (ten) feet below surface grade to the top of a six-to-ten inch soil layer. Debris was observed beneath this soil layer. Exploratory holes were excavated at ten to fifteen foot intervals along the bottom of the excavation site. Each hole was approximately four feet wide and six feet long. The holes were excavated to a depth below which no more waste was found (approximately 2-6 feet). The debris observed in the holes was similar to the debris excavated from prior site activities. No visible materials were noted that presented significant environmental concerns. Additional excavation activities were discontinued based on these findings. The exploratory holes were then filled in and the area was roughly graded. However, the excavation cavity itself was left open for potential future investigations/actions.

Job #26153 TF921467.14

Techoral Page

6-JAN98 FROMS GLENWORD POPP

1991 TRASH CLEANUP



Mr. Gary Chapman February 25, 1992 Page 3

Approximately forty-two (42) loads of waste materials weighing 585 tons were transported by Fauber to a transfer station, Tippecanoe Recycling and Transfer Facility, located at 2770 N. 9th Street. The transfer station is operated by Waste Management, Inc. Waste materials from the transfer station were subsequently transported to the Byers Recycling and Disposal landfill in Logansport, Indiana. The Byers landfill is approved by the IDEM to accept both "special" and municipal solid waste materials. Special waste is a ferm used by the Indiana Department of Environmental Management (IDEM) to describe industrial waste materials.

Please note that HR/E conclusions regarding the Grace property are based solely on visual observations and portable instrumentation readings conducted during the course of site activities. Therefore, HR/E cannot make definitive statements as to whether or not surface and/or subsurface contamination has occurred. An extensive investigation of soil and groundwater would be necessary to gather sufficient information for a complete assessment of site conditions. As with nearly all projects of this type, the amount of acceptable risk is balanced against the cost of additional investigations. In this specific instance, the removal activities and visual observations conducted by HR/E were deemed to be sufficient and within the requested scope of services.

Thank you for your interest in Heritage environmental consulting services. If you have questions or comments regarding this matter, please contact me at 317/243-7475.

Sincerely,

HERITAGE REMEDIATION/ENGINEERING, INC.

Terry R. Ferrill, PE, CHMM

Project Engineer

TRF/bjm

Job #26153 TF921467.14

Petro He Piper

5-Jan 98 Spom; Granwood Yapp

1991 TRASH CLEANUP

PHASE I

9.4

SECTION 10.0

PROFESSIONAL QUALIFICATIONS

WILLIAM M. REID

Education Background

*** Purdue University - B.S. in Civil Engineering in 1960 Major - Environmental Engineering

Professional Background

- *** Registered Professional Engineer (Indiana)
- *** Member American Society of Civil Engineers
- *** Member American Society of Testing and Materials (ASTM)
- *** Member ASTM Subcommittee on Environmental Assessments For Commercial Real Estate
- *** Registered Real Estate Broker (Indiana)
- *** Member Association of Ground Water Scientists and Engineers
- *** IDEM Certified Asbestos Inspector
- *** IDEM Certified Lead Inspector/Assessor
- *** Indiana Professional Licensing Agency Certified Environmental Instructor

Current Occupation

*** President, PHASE I Environmental Engineering A professional engineering firm that conducts phase one
environmental site assessments and performs project
management for testing and remediation.

Previous Experience

*** Officer of a \$50 million corporation responsible for environmental cleanup of sites in three states.





PHASE I ENVIRONMENTAL SITE ASSESSMENT

26.0 Acre Vacant Lot 2600 Duncan Road Lafayette, Indiana Parcel # 158-17200-0162

ORIGINAL

Prepared For:
Mr. E. Dana Smith, Acting Director
Greater Lafayette Community Development Corporation
337 Columbia Street
P.O. Box 348
Lafayette, IN 47902-0348

Report Date: April 2, 2008

Prepared by:

IWM Consulting Group, LLC 7428 Rockville Road Indianapolis, IN 46214 Phone No. (317) 347-1111 Fax No. (317) 347-9326

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

For:

Mr. E. Dana Smith, Acting Director
Greater Lafayette Community Development Corporation
337 Columbia Street
P.O. Box 348
Lafayette, IN 47902-0348

EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) of the unused lot located at 2600 Duncan Road in Lafayette, Indiana (herein referred to as the Property) was conducted in general accordance with American Society for Testing and Materials (ASTM) E1527-05 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (referred to as ASTM E1527). This inspection included project site boundaries, interior inspection of the on-site structures, other open areas and a reconnaissance of surrounding properties.

The following is a brief summary of our report. Please refer to the full text of this report in its entirety for a comprehensive understanding of the information presented in this Executive Summary, as specifics are not fully discussed in this section.

Current Site Conditions

The Property consists of a 25.585 acre rectangular-shaped lot with large open undulating fields and partially wooded areas. The southern and northwestern portions of the property are heavily wooded. There is a circular patch of woods in a depression in the west central area of the property. There is a large swale, approximately 30 feet wide and 100 feet long oriented southwest to northeast in the east central area of the Property. The Property is enclosed by a chain link fence and there is currently no readily available access onto the Property.

Historical Summary

According the historical aerial photograph review, the Property appears to have contained a single residential structure from 1939 through 1998. There was evidence of excavation activities in the east-central portion of the Property in the 1971 aerial photograph. The central and west sections of the Property were also used as a golf course in 1971. The Property address was unlisted from 1941 through 2006 in the city directories. Historical Fire Insurance Maps were unavailable for review.

Regulatory Review Summary

The federal and state database record search revealed that the following facilities were identified within their respective ASTM recommended search radii of the site:



Federal Database

Tippecanoe Sanitary Landfill, Inc., 2801 N. 9th Street – CERCLIS/NPL Facility Old Monon Rail Rebuilding Shop, 1750 Monon Ave – CERCLIS Facility Lafayette Instrument Co Inc, 3700 N Sagamore Pkwy N – CERCLIS-NFRAP Facility Pickering Property, 2453 N 9th Street – CERCLIS-NFRAP Facility MLS Liquidating Trust, 810 Widewater Dr. – RCRA CESQG Facility

State Database

Mechanic's Laundry & Supply Inc (Hudlow's), 810 Widewater Drive / 2438 and 2610 N. 9th Street – Voluntary Cleanup Site

Ed Grace Company, 2601 N 9th Street - Registered UST Facility

Central Ind. Glass & Glazing, 2632 A N 9th St. – Registered UST Facility

Tippecanoe Sanitary Landfill, Inc., 2801 N. 9th St. - Landfill Facility

Siemens Power Transmission / Landis & Gyr, 3601 Sagamore Pkwy N – Voluntary Cleanup Site

Oscar Winski Co., 2407 Canal Rd. - Registered LUST Facility

CSX Bids Terminal, 2934 Sagamore Pkwy N - Registered LUST Facility

Marsh Village Pantry #502, 1901 Schuyler Ave.- Registered LUST Facility

Shaffer Trucking Inc, 2009 N. 9th St – Registered UST and LUST Facility

Phillips 66, 2680 US 43 S - Registered UST and LUST Facility

M & M Budget Motor, 1601 Canal Rd - Registered UST and LUST Facility

Goris Property, Canal and Greenbush Rd - Registered UST and LUST Facility

Tippecanoe County Transfer & Recycling, Registered State Waste Facility/Landfill

The off-site facilities are not considered RECs in relation to the Property at this time with the exception of the former Mechanic's Laundry & Supply (adjacent property to the south – 810 Widewater Drive).

Interview Summary

Interviews with Owner, Property Manager and/or Occupants

Interview with Mr. Steve Shook, Owner: According to Mr. Steve Shook, the owner of the Property since 1998, the southern adjacent property, former Mechanics Laundry, may be an environmental concern. Otherwise, he is not aware of any indicators that point to the presence or likely presence of contamination at the Property based on personal knowledge or experience. He was unaware of any former landfill activities on the Property. He is not aware of any environmental liens on this property.

Interviews with Local Government Officials

Interview with Mr. Dan Teder, Attorney for the Reiling, Teder & Schrier, LLC representing the City of Lafayette: According to Mr. Dan Teder, the Property was formerly owned by the Ed Grace Company and had been used as a residence or clubhouse for a small private golf course. He indicated the southern adjacent property, former Mechanics Laundry, may be an environmental concern. He is not aware of any indicators that point to the presence or likely presence of contamination at the Property based on personal knowledge or experience. He was unaware of any landfill activities on the Property. He is not aware of any environmental liens on this property.



IWM Consulting contacted the Lafayette City Fire Department regarding known adverse environmental conditions at the Property. According to Ms. Samantha Taylor, no known environmental concerns have been reported for the Property.

The Tippecanoe County Health Department (TCHD) was interviewed regarding information relevant to the environmental condition of the Property. According to Mr. Ron R. Noles, TCHD, no known adverse environmental conditions have been reported.

Findings and Opinions

- The previous Phase I Environmental Site Assessment (Phase I ESA) stated that a fill pipe and vent pipe associated with a heating oil UST were observed extending from the basement on the north side of the former two-story residence/clubhouse in 1998. The previous Phase I ESA indicated that access to the basement of this building was not provided; therefore, there was no indication as to whether the heating oil tank in question was in fact a UST or AST. IWM Consulting was unable to verify the closure status (i.e. removal) of the heating oil tank in the basement of the former two-story residence/clubhouse; therefore IWM Consulting considers the former UST or AST as a REC
- According to the previous Phase I ESA, a report was provided detailing excavation activities in a former landfill located northwest of the former two-story residence/clubhouse. The report indicates that 585 tons of waste were removed from this landfill area; however, between 2 and 6 feet of waste were left in the bottom of the excavation. The removed waste consisted of general refuse from the former two-story residence/clubhouse and Ed Grace Company, Inc. which included refrigerators, water heaters, tires, chemical containers, wood products and general refuse. Furthermore, no soil or groundwater sampling was performed during this investigation. IWM Consulting considers this to be a REC. IWM Consulting was unable to confirm the exact location of this landfill activity; however, the former landfill appears to coincide with the large swale in the east central area of the Property. IWM Consulting considers the swale area to be a REC.
- IWM Consulting considers the off-site property to the south (Former Mechanic's Laundry VRP No. 69080705) as a REC. In fact, several monitoring wells in conjunction with the Former Mechanic's Laundry facility are located south of the Property in the adjoining asphalt parking area. Based on a limited record review, it appears that dissolved VOC concentrations have been detected in the groundwater from the closest monitoring well location MW-2, between Magic Glass and the former Mechanics Laundry building. The source of the VOCs is the south adjacent Former Mechanic's Laundry facility, which reportedly utilized two (2) underground storage tanks (USTs) for gasoline storage and four (4) USTs for storage of Stoddard Solvent. The USTs were reportedly removed from the ground between 1989 and 1991. The Property appears to be hydraulically cross-gradient of the VOC source area (Former Mechanic's Laundry) and the presence of dissolved VOCs on the south-central portion of the Property is shown in the most recent VOC groundwater plume map, provided in Appendix E.



• If necessary, a comprehensive Phase II Subsurface Investigation would need to be conducted to determine if the Property has been further impacted by past on-site and off-site operating activities, in the areas along the south boundary of the Property; and in the proximity of the former heating oil UST or AST and swale location.

It is also IWM Consulting's opinion that sufficient evidence exists to classify the environmental conditions listed below as *de minimis* conditions. A *de minimis* condition is a condition that would not generally be the subject of an enforcement action(s) but may be of environmental interest. IWM Consulting is providing an additional recommendation to address a possible concern with the Property.

- During the site reconnaissance, IWM Consulting observed abandoned farm machinery, a battery, several empty quart-size motor oil containers and an antifreeze container on the northeastern area of the Property. Additionally, an empty 55-gallon drum and empty propane container were observed on the east central portion of the property directly east of the swale. The 55-gallon drum, propane container, battery, empty containers and farm machinery should be properly disposed of off-site.
- Shambaugh & Sons, Inc. Contractors and Engineers is located directly north of the Property. Seven 55-gallon drums, six safety cans, twelve propane containers, and three gas canisters are stored along the southern boundary of the north-adjacent property in close proximity of the Property. No surface staining or leaking was evident in relation to the off-site containers; however, the proximity of the chemical containers is still considered a *de minimis* condition.
- The Lafayette Municipal Golf Course is adjacent to the southwest of the Property. An approximately 250 gallon AST was observed on this property. No surface staining or leaking was evident in relation to the off-site AST; however, the proximity of the AST is still considered a *de minimis* condition.

Conclusions

It is the opinion of IWM's Environmental Professional that this environmental site assessment has identified conditions indicative of historical releases or threatened releases of hazardous substances at the Property from possible on-site and off-site sources.

This summary is provided for the reader's convenience and is part of the appended report. Interpretation of this summary should be considered incomplete without reviewing the full Phase I ESA report and associated appendices. The reader is directed to the report text for additional information regarding areas and conditions of potential environmental concern.



1.0 INTRODUCTION

This Phase I Environmental Site Assessment (ESA) was prepared for the Greater Lafayette Community Development Corporation [GLCDC- (Client)] for the Property located primarily at 2600 Duncan Road in Lafayette, Indiana (Property). Our services were conducted in general accordance with the American Society for Testing and Materials (ASTM) E1527-05 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (referred to as E1527).

1.1 Purpose

The purpose of this ESA was to determine the existence of "Recognized Environmental Conditions" (RECs) in connection with the Properties using an approach generally conforming to ASTM E1527-05. RECs are defined in E1527-05 as the "presence or likely presence of any hazardous substances or petroleum products on a Property under conditions that indicate an existing release, a past release, or material threat of a release of any hazardous substances or petroleum products into the structures on the Property or into the ground, ground water, or surface water of the Property." RECs include hazardous substances or petroleum products even under conditions in compliance with laws but do not include "de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." Conditions determined to be de minimus are not RECs.

1.2 Scope of Services

The Scope of Services generally includes a review of historical records and regulatory database information, a reconnaissance of the Property and adjoining properties, interviews (historical and with those currently familiar with the Property, where available), and preparation of a report.

Records are reviewed given that these are "reasonably ascertainable." ASTM 1527-05 defines "reasonably ascertainable" as "information that is publicly available, obtainable from its source within reasonable time and cost restraints, and is practically reviewable." The document examination may include the following tasks (refer to the agreed-upon scope of work):

- Review of aerial photographs, City Directories and Fire Insurance Maps of the Property and adjoining properties. If these are not available, the Report will include a statement regarding the lack of availability.
- Review of title records provided by the Client, unless otherwise agreed.
- Review of regulatory database provider report of federal, state, and local listings for the Property and
 other properties/facilities found within the search radii specified by ASTM, including the National
 Priority List, the Federal CERCLIS list, state hazardous waste priority facilities, RCRA Hazardous
 Waste Activity Notifiers and registered/leaking underground storage tank records.

The Reconnaissance typically includes the following tasks:

Visual observations of the Property and exteriors of buildings thereon to identify indications of RECs, such as above ground and underground storage tanks, stained soil or floor areas, vegetative stress, filled areas, waste or material dumping. Interviews with the current owner and/or key Property manager or other person as designated by the owner regarding the Property's current and past uses and information of environmental significance.



- Inquiries to appropriate local government offices, such as the Fire Department.
- Review of available documentation on electrical transformers at the Property, if applicable (e.g., ownership and PCB content).
- Observations of adjoining properties (from Property boundaries and public rights-of-way).
- Photographic documentation of the Property.
- Preparation of a Property diagram.
- Photographic documentation and site diagrams are additional services that are not required by the ASTM E-1527 Standard and are at the discretion of the Environmental Professional and Client.

1.3 Standard of Care and Reliance

These Phase I ESA services were performed in a manner consistent with good commercial and customary standards and practices as applied by other consultants conducting similar investigations in the same geographic area during the same time period. No warranties, express or implied, are intended or made. Unless otherwise agreed, this ESA was prepared for the exclusive use and reliance of the GLCDC for a period not exceeding 180 days from the date of the work performed, subject to the limitations expressed herein. Reliance on the contents of this report after 180 days is at the sole risk of the user. Any use of this Phase I ESA or the information contained herein by persons or entities other than the Client (without the express written consent of the Client and IWM Consulting) will be at the sole risk and liability of Client.

1.4 Limitations and E1527 Exceptions of the Assessment

Findings, Conclusions and Recommendations referenced herein are based upon and limited to those observations made during the listed Reconnaissance date.

The site area included in this ESA was based upon available property lines, site surveys, property plat maps, and verbal descriptions provided to IWM Consulting by the Client and field observations (roadways, utilities, mow lines, etc.) observed by IWM Consulting's representative during the site reconnaissance. The information regarding the adjoining properties was obtained by visual reconnaissance from the subject site and/or public roads, and information obtained from record reviews and interviews with representatives of the site owner.

As indicated in the ASTM E 1527 the "... practice does not impose on the environmental professional the responsibility to undertake a review of recorded land title records and judicial records for environmental liens or activity and use limitations (AUL)." As indicated in IWM Consulting's proposal, liens and AUL information developed for the Property by others and provided to IWM Consulting prior to the generation of this report would be incorporated into IWM Consulting's review. User information regarding liens and AULs is presented in Section 3.0 of this ESA.

Phase I ESAs are limited to specific inquiries and are based upon records, reviews and opinions rather than invasive testing services. Therefore, IWM Consulting cannot eliminate uncertainty as to environmental conditions at the Property. Nor can we represent that the Property contains no hazardous, petroleum or other products or substances (or other latent conditions) beyond those identified or observed from this scope of work. Information in this report is based upon the Property's current use(s) and information obtained prior to issuance of the final report. IWM Consulting does not warrant the accuracy of information obtained from interviewees or other third party sources of information (such as other environmental firms, database companies or title companies).

This Phase I ESA conforms to the ASTM E-1527-05 Standards.



Please note that no Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with the Property. Referring to the procedures in E1527 will reduce, but not eliminate, these uncertainties. It is possible, therefore, that all RECs or relevant environmental issues may not have been identified. The failure to discover these, using a reasonable and mutually agreed upon scope of services, does not guarantee the absence of such RECs or issues, but only that they were not found as a result of this assessment. The services herein are in no way to be construed or relied upon as a legal interpretation, opinion or advice.



2.0 PROPERTY DESCRIPTION

The Property is located on the Southeast Quarter of Section 17, Township 23 North, and Range 4 West within the Lafayette West Quadrangle of the United States Geological Survey (USGS), Fairfield Township, and Tippecanoe County, Indiana. The Latitude is 40°26'43.21" North and Longitude is 86°53'2.01"West. The Parcel Identification Number for the Property is 158-17200-0162. A brief Legal Description for the parcel is as follows:

Parcel 158-17200-0162:

PT School Lot 9 SEC 16 TWP 23 R4 25.585 A

The Property consists of a 25.585 acre rectangular-shaped lot with large open undulating fields and partially wooded areas. The southern and northwestern portions of the property are heavily wooded. There is a circular patch of woods in a depression in the west central area of the property. There is a large swale, approximately 30 feet wide and 100 feet long oriented southwest to northeast in the east central area of the Property. The Property is enclosed by a chain link fence and there is currently no readily available access onto the Property.

The general location of the Property (topographic map) and site map are depicted in Appendices A and B, respectively. Photographs of the Property taken during the Property reconnaissance are presented in Appendix C of this ESA.



3.0 USER-PROVIDED INFORMATION

The U.S. EPA's All Appropriate Inquiry (AAI) places emphasis on "user" obligations. As specified in the ASTM (05) standard, certain responsibilities lie with the "user" of the assessment, who is defined as the party that intends to use the ASTM guidance to perform an assessment. The "user" is generally the purchaser, owner, lender, property manager, or potential tenant. The U.S. EPA's AAI standards clearly state that the person seeking to qualify for CERCLA liability protection (i.e., the user) is uniquely responsible for providing certain information to the environmental professional; specifically (1) a search for environmental cleanup liens filed or recorded against the site, (2) activity use limitations in place on the site, (3) specialized knowledge or experience related to the property or nearby property, (4) relationship of the purchase price being paid for the property to the fair market value, if not contaminated, (5) commonly known or reasonable ascertainable information about the property and (6) any obvious indications pointing to the presence or likely presence of contamination at the property. Although the rule does not require the user to share information with the environmental professional, failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

IWM Consulting included a User Information Questionnaire containing the aforementioned questions as part of the assessment activities. IWM Consulting requested that the Client review and answer the ASTM E1527-05 User Information Questionnaire. The User Information Questionnaire was returned to IWM Consulting prior to the generation of this report. The results are summarized in the following sections and the questionnaire is presented in Appendix D.

Additionally, the Client provided IWM Consulting with a previous Phase I ESA Report for the Property dated February 20, 1998. This report was prepared for Mr. Steve Shook by Alt & Witzig Engineering, Inc. A copy of the report is provided in Appendix D. This previous Phase I ESA report is further described in Section 6.5.

3.1 Title Records

Available title records/prior ownership records for the Property were obtained from the Client and from the Tippecanoe County Auditor's and Recorder's Office and reviewed by IWM Consulting. Discussion of the available records is provided in the Historical Information Review section.

3.2 Environmental Liens or Activity and Use Limitations

The information provided in the User Information Questionnaire did not indicate knowledge of any AULs, such as, engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law. Additionally, the information provided in the User Information Questionnaire did not indicate knowledge of environmental cleanup liens against the Property that are filed or recorded under federal, tribal, state, or local law. The questionnaire indicated that a search was not performed and none were discovered during this Phase I ESA.

3.3 Specialized Knowledge

The client informed IWM Consulting that he has limited specialized knowledge or experience material to identifying RECs related to the Property. The information is summarized in the client completed ASTM E1527-05 User Questionnaire. A copy of the completed questionnaire is provided in Appendix D.

3.4 Valuation Reduction for Environmental Issues



The Client informed IWM Consulting that they have no knowledge of conditions that would cause the purchase price of the Property to be significantly less than the purchase price of comparable properties.

3.5 Owner, Property Manager, and Occupant Information

The Client did not provide information other than information discussed elsewhere in this report.

3.6 Reason for Performing Phase I ESA

As agreed with the Client, this Phase I ESA has been performed to satisfy due diligence requirements for the potential future purchase and redevelopment of the Property and to determine if there are RECs in connection with the Property as of the date of the Reconnaissance and this report. The project is part of an area-wide redevelopment initiative by the Greater Lafayette Community Development Corporation and this Phase I ESA is funded by an Environmental Protection Agency (EPA) *Community-Wide* Brownfield Assessment Grant.

3.7 Other Information

The Client indicated he had no other relevant knowledge regarding or affecting RECs at the Property. IWM personnel requested that the Client review and answer the ASTM E1527-05 User Questionnaire. A copy of the completed questionnaire is provided in Appendix D.



4.0 RECORDS REVIEW

This section presents a summary of the regulatory database review derived from the results of an Environmental Data Resources® Report (EDR) database search for the Property and facilities within search radii, as per ASTM guidelines. Public records pertaining to the Property were also reviewed from the Indiana Department of Environmental Management (IDEM) file room. The database report and IDEM records are provided in Appendix E. Identification or confirmation of database listings shown as "unmappable" was out-of-scope. IWM Consulting also made reasonable attempts to interview (or request information) personnel from the City of Lafayette Fire Department and Tippecanoe County Department of Health having jurisdiction over the Property. IWM Consulting was able to contact local governmental personnel as part of the Phase I ESA activities. Local government inquiries are presented in Section 4.3. When referring to "up-gradient, cross or side-gradient and down-gradient," this usage refers only to the topographic gradient that often mirrors actual groundwater gradient (actual ground water gradient, depth and flow directions cannot be confirmed without information obtained from monitoring wells installed on-site and/or nearby).

4.1 Federal Database Review

FEDERAL DATABASES		
Federal Database Title and ASTM Radius		Other Facilities Listed (0/#)
Federal National Priorities List (NPL)	N	1
Radius – 1 mile		
Federal Delisted NPL Site List	N	0
Radius – ½ mile	- 1	
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Radius – ½ mile	N	2
CERCLIS – No Further Remedial Action Planned (NFRAP)	N	2
Radius – ½ mile	111	4
Resource Conservation and Recovery Information System (RCRIS) Generators Radius – Property and Adjoining properties	N	1
RCRIS Corrective Action (CORRACTS) Radius – 1 mile		0
RCRIS Treatment, Storage & Disposal Facility Radius – ½ mile	N	0
Emergency Response Notification System (ERNS) Radius – Property only	N	0
Federal Institutional Control/Engineering Control Registries Radius – Property only	N .	0

Tippecanoe Sanitary Landfill, Inc. - CERCLIS/NPL Facility

2801 N. 9th Street

Approximately 0.75 miles northeast and topographically upgradient of the Property This site is currently on the Final NPL.

Old Monon Rail Rebuilding Shop - CERCLIS Facility

1750 Monon Ave

Approximately 0.75 miles east/southeast and topographically upgradient of the Property On March 20, 1991 a release of 180,000 gallons of liquid nitrogen occurred at the site from a valve rupture of an above ground storage tank.



Lafayette Instrument Co Inc - CERCLIS-NFRAP Facility

3700 N Sagamore Pkwy N

Approximately 0.75 miles northeast and topographically upgradient of the Property

One violation was discovered for this facility

Based on the distance and/or current status of the Federal site locations, IWM Consulting does not regard these site locations as RECs in relation to the Property.

4.2 State & Tribal Database Review

Property Listed (Y/N)	Other Facilities Listed (0/#)
N	0
N	0
N	0
N	2
	7
N	2
N	0
N	2
Y	11
N	0
	N N N N N N N N N N N N N N N N N N N

Mechanic's Laundry & Supply Inc - Voluntary Cleanup Site

810 Widewater Drive / 2438 N. 9th Street

Adjacent to the south and topographically cross-gradient of the Property

VRP#: 6980705 and UST FID#: 4381

It appears that two 1,000-gallon gasoline USTs, one 1,000-gallon Stoddard solvent UST, three 500-gallon Stoddard solvent USTs and two additional USTs (unknown contents and capacities) were removed between 1989 and December 1991. The facility is currently in the IDEM Voluntary Remediation Program and a monitoring well network has been placed on-site and off-site throughout the adjacent southern properties in the Widewater Industrial Park area. It is unknown if the VOC plume in soil and groundwater has been adequately characterized. It appears that investigation and potential remediation activities are currently in progress at the former Mechanics Laundry facility. One fractank and several stored 55-gallon drums were noted at the off-site property during the site reconnaissance. The VOC plume is shown to extend onto the southeast portion of the Property in the most recent VOC plume map. A copy of the most recent VOC plume map is provided in Appendix E.



Ed Grace Company - Registered UST Facility

2601 N 9th Street

Adjacent to the north and topographically cross-gradient of the Property.

Facility ID: 017585

In February of 1993 three USTs were removed and permanently closed on the site. The tanks consisted of a 1.000-gallon fuel oil tank and two 500-gallon gasoline tanks. Two-hundred and seventy cubic yards of contaminated soil were excavated during the tank removal. No LUST incidents were discovered in the IDEM files. This UST Closure is considered a historical REC.

Tippecanoe Sanitary Landfill, Inc. - Landfill Facility

2801 N. 9th Street

Approximately 0.75 miles northeast and topographically upgradient of the Property This site is currently on the Final NPL.

Siemens Power Transmission / Landis & Gyr - Voluntary Cleanup Site

3601 Sagamore Pkwy N

Approximately 0.75 miles northwest and topographically cross-gradient of the Property This facility was assigned a medium corrective action priority. VRP: 6981103

Shaffer Trucking Inc - Registered UST and LUST Facility

2009 N. 9th St.

Approximately 0.25-0.50 miles south/southwest and topographically cross-gradient of the Property Facility ID: 4283 and Incident No. 199201540

The facility was considered a low priority (i.e. soil only) and given a "Discontinued" status from IDEM.

Phillips 66 – Registered UST and LUST Facility

2680 US 43 S

Approximately 0.50 miles northwest and topographically cross-gradient of the Property Facility ID: 11517 and Incident No. 199110552 This facility is considered a high priority by IDEM.

M & M Budget Motor – Registered UST and LUST Facility

1601 Canal Rd

Approximately 0.75 miles southwest and topographically cross-gradient of the Property Facility ID: 16930 and Incident No. 199002553 This facility is considered a high priority by IDEM.

Goris Property - Registered UST and LUST Facility

Canal/Greenbush Rd

Approximately 1 mile south/southwest and topographically cross-gradient of the Property Facility ID: 20025 and Incident No. 199107088

This facility is considered a medium priority by IDEM.

Based on the distance and/or current status of the LUST and UST site locations, IWM Consulting does not regard these site locations as RECs in relation to the Property.



4.3 Local Government Inquiries

IWM Consulting contacted the Lafayette Fire Department regarding known adverse environmental conditions at the project site. According to Ms. Samantha Taylor, Lafayette City Fire Department, no known adverse environmental conditions have been reported at the Property.

The Tippecanoe County Department of Health (TCDH) was interviewed regarding information relevant to the environmental condition of the Property. According to Mr. Ron R. Noles, Environmental Health Specialist of the TCDH, no known adverse environmental conditions have been reported.

A copy of the Communication Logs from the LFD and TCDH is contained in Appendix F.



5.0 PHYSICAL SETTING INFORMATION REVIEW

The following section presents information as to the Property's physical setting. Note the terms "up-gradient, cross or side-gradient and down-gradient" may be used in this report and refer to the topographic gradient as related to the Property that often mirrors actual groundwater gradient. Note, however, that groundwater flow direction and the depth to any shallow groundwater may vary based upon seasonal changes (i.e., precipitation amounts) and the depth to the soil/bedrock interface. Actual ground water gradient, depth and flow directions cannot be confirmed without information obtained from ground water monitoring wells installed on the Property and/or nearby.

5.1 Topographic Map Information

The Property is located on the Southeast Quarter of Section 16, Township 23 North, and Range 4 West within the Lafayette West Quadrangle 7.5 minute series topographic map prepared by the USGS. The elevation of the Property is approximately 550-560 feet National Geodetic Vertical Datum of 1929. The Property consists primarily of a gently rolling topography while the surrounding area consists primarily of gently sloping topography which leads to the Tippecanoe River. A topographic map is included in Appendix A.

5.2 Flood Zone

A review of the Federal Emergency Management Agency Flood Insurance Rate Map, Community Panel Number 180253 0001 B (Panel 1 of 5), and effective date November 19, 1980 revealed that the Property is located primarily within Zone C. Zone C is considered areas of minimal flooding. The adjacent properties are also listed within Zone C to the north, east and south. The areas to the west are located in either Zone A8 or Zone B. Zone A8 is listed as areas within the 100-year flood plain. Base elevations and flood hazard factors are determined. Zone B is listed as areas that are between the 100-year and 500-year flood plains.



6.0 HISTORICAL INFORMATION REVIEW

This section presents historical information that is both reasonably ascertainable and readily available as per ASTM guidelines in order to reveal the Property's obvious usage from 1940 or its first developed use, whichever is earlier (unless otherwise stated in Section 1.0 above, Limitations & Exceptions). Reasonable attempts were made to interview those with historical information about the Property. Historical records review for non-adjoining properties was out-of-scope.

6.1 Property Ownership

Property ownership history records were obtained through the Tippecanoe County Auditor's and Recorder's offices for the parcel. Of the previous owners, none appear to suggest uses indicative of RECs. A table summarizing the Property Owner History from 1926 to present for the Property is provided in Appendix G.

6.2 Aerial Photographs

Aerial photographs depicting the Property area were obtained from the Historical Gatherers (1939-2005) and Google Earth® (2007). The following reasonably available aerial photographs were reviewed as described below (from oldest to most recent). Note that the scale and clarity of aerial photographs necessarily affect and limit evaluation of features and conditions that may be depicted on a particular aerial photograph. A copy of the most recent aerial photograph from 2007 is presented in Appendix H of this ESA; additionally, copies of the Historical Gatherers aerial photographs are included in Appendix H.

AERIAL PHOTOGRAPH REVIEW		
Year	Property Description	Surrounding Properties Description
1939	The eastern portion of the Property appears to be agricultural fields. A small square residence is located on the east central portion of the Property (former two-story residence/clubhouse). A small stand of trees is present on the eastern border of the Property.	North 9 th Street is directly east of the property. Unoccupied land and a train track are further east, beyond North 9 th street. Agricultural fields are to the north, east and south of the Property. Several small buildings are southwest of the Property.
1951	The Property appears similar to the 1939 aerial photograph. A small square outbuilding is to the north of the residence.	The adjacent properties appear similar to the 1939 aerial photograph.
1957	The Property appears similar to the 1951 aerial photograph.	The adjacent properties appear similar to the 1951 aerial photograph.
1963	The Property appears similar to the 1957 aerial photograph.	A large rectangular building borders the Property to the southeast (former Mechanics Laundry). Several more rectangular structures are to the southwest. Several areas on the south adjacent property appear to be excavated. A mobile home park borders the Property to the northwest. Several rectangular buildings are to the northeast of the property. A large rectangular structure is present to the east of the Property beyond North 9 th Street. The other adjacent properties appear similar to the 1957 aerial photograph.



	AERIAL PHOTOGRAPH REV	TEW (Continued)
Year	Property Description	Surrounding Properties Description
1971	A rectangular area oriented southwest to northeast in the east-central portion of the property appears to be excavated. Two circular mounds are evident on the northeastern and southwestern portions of the Property. Two stands of woods are present on the north-western and south-central portions of the Property. Otherwise, the Property appears similar to the 1957 aerial photograph.	The surrounding properties appear similar to the 1963 aerial photograph; however, several more buildings are present in the south-adjacent property, with several semitrailers parked on the eastern portion of this property.
1981	The Property appears similar to the 1971 aerial photograph; however, a small rectangular structure is present in the center of the Property.	The surrounding properties appear similar to the 1971 aerial photograph; however, a large rectangular building has been built to the northeast of the Property beyond North 9 th Street. An additional U-shaped building is on the north adjacent property. A large golf course is present on the west-adjacent property. A rectangular structure is present on the southeast adjacent Property.
1993	The Property appears similar to the 1981 aerial photograph; however, the central rectangular structure is not present.	The surrounding properties appear similar to the 1981 aerial photograph; however, 3 large interconnected buildings are on the northeastern adjacent property.
1998	The Property appears similar to the 1993 aerial photograph.	The surrounding properties appear similar to the 1993 aerial photograph.
2003	The residence is no longer visible; however there is heavy tree cover in the area in which it previously stood. The east-central excavation area appears overgrown with trees. The Property appears similar to the 1998 aerial photograph.	The surrounding properties appear similar to the 1998 aerial photograph; however, the western adjacent golf course appears flooded.
2005	The Property appears similar to the 2003 aerial photograph.	The surrounding properties appear similar to the 2003 aerial photograph.
2007	The Property appears similar to the 2005 aerial photograph.	The surrounding properties appear similar to the 2005 aerial photograph.

Based on a review of the aerial photographs, it appears that the same two-story residence/clubhouse structure occupied the east-central portion of the Property since before 1939 to 1998. The surrounding properties to the northeast and south appear to have been primarily commercial properties since 1971. A mobile home park appears to have been present to the northwest of the Property since 1963. A train track appears to have been to the east of the Property beyond North 9th Street since 1939. Based on the review of the historical aerial photographs, IWM Consulting did not identify RECs associated with the Property or adjacent/near adjacent properties.

6.3 City Directories

City Directories were reviewed from the Tippecanoe County Public Library, Genealogy Department for the Property address and adjacent properties. These City Directories were reviewed from Polk's City Directories (1941-2006). The following City Directories were reasonably available and reviewed as described below (from oldest to most recent). Note that the Property address may or may not appear as a listing in directories reviewed. Copies of City Directories reviewed are not included with this report due to copyright restrictions.



CITY DIRECTORY REVIEW			
Year	Property Listing for 2600 Duncan Road	Adjoining/Surrounding Property Listings	
1941	No Listings	No Listings	
1945	No Listings	No Listings	
1950	No Listings	No Listings	
1955	No Listings	No Listings	
1960	No Listings	No Listings	
1965	No Listings	777–779 Cordale Rd – No Listing	
1,000	The Ensuings	2601 N. 9 th St. – Ed Grace Co. Inc Plumbing Contractors	
		2610 N 9 th St – No Listing	
		2616 Duncan Rd – Miles A Nelson A & Co Inc. Heating	
		Contractors	
1969	No Listings	777 – 779 Cordale Rd – No Listing	
., .,	3	2601 N 9 th St – Same as above.	
		2610 N 9 th St – No Listing	
		2616 Duncan Rd – Same as above.	
		2610 N 9 th St – No Listing	
1975	No Listings	777 – 779 Cordale Rd – No Listing	
		2601 N 9 th St – Same as above.	
		2610 N 9 th St – No Listing	
		2616 Duncan Rd – No Listing	
	·	1 Widewater Dr. – Bob Memmer Floor Covering	
		3 Widewater Dr. – Indiana Waste Services, Inc.	
		7 Widewater Dr. – Sound Productions Electronic Eq.	
		9 Widewater Dr. – Vacant	
		11 Widewater Dr. – Lafayette Metal Processors Inc.	
1980	No Listings	79 Cordale Rd – Court-Dale Trailer Park	
		777 Cordale Rd – Shambaugh & Son and Eagle	
		Manufacturing Industries Inc.	
		779 Cordale Rd – No Listing	
		2601 N 9 th St – Same as above.	
		2610 N 9 th St – No Listing	
		2616 Duncan Rd – No Listing	
,		1 Widewater Dr Ames Supply Co. (amusement	
		Mechanics)	
		3 Widewater Dr. – Metcon Contractors, Inc. (Gen. Cntrs)	
		7 Widewater Dr. – Schilling Ceramic World 9 Widewater Dr. – Residential listing	
		11 Widewater Dr Lafayette Metal Processors Inc.	
		18 Widewater Dr. – Glass Specialty of Indiana	
1005	No Tietings	79 Cordale Rd – Same as above.	
1985	No Listings	77 Cordale Rd – Salle as above. 777 Cordale Rd – All Seasons Roofing	
		777 Cordale Rd – Art Seasons Rooming 779 Cordale Rd – No Listing	
1		2601 N 9 th St – Same as above.	
		2610 N 9 th St – Residential	
		2616 Duncan Rd – Nelson-Keating Mechanical	
		1 Widewater Dr. – Lane Engineering Specialties Co.	
		3 and 7 Widewater Dr. – No Listings	
		9 Widewater Dr. – Personal listing	
		11 Widewater Dr. – Ugly Duckling Rent-A-Car	
·		11½ Widewater Dr. – Personal listing	
		18 Widewater Dr. – Magic Glass Co	
	I		



Year	Property Listing for 2600 Duncan Road	Adjoining/Surrounding Property Listings
1990	No Listings	79 Cordale Rd – Same as above.
		777 Cordale Rd – Same as above.
		779 Cordale Rd – Tippecanoe Sheet Metal Inc.
		2601 N 9 th St – Same as above.
		2610 N 9 th St – No Listing
		2616 Duncan Rd – Nelson-Keating Mechanical
		1 Widewater Dr. – Same as above
		3 Widewater Dr. – No Listing
		9 Widewater Dr Whayne W. Sebrey & Assoc. Plumb.
		11 Widewater Dr. – Twin City Taxi/Action Transport &
		Delivery/Luxury Limousine Service
		11½ Widewater Dr. – Wrede & Sons Trucking Inc.
		18 Widewater Dr. – Magic Glass Co
1993	No Listings	79 Cordale Rd – Same as above.
		777 Cordale Rd – All Seasons Roofing, All Seasons Tan
		& Tub and All Seasons Pool & Spa
		779 Cordale Rd – Tippecanoe Sheet Metal Inc. &
		Ventilating Co., Inc
		2601 N 9 th St – Shambaugh & Sons, Inc.
		2610 N 9 th St – No Listing
		2616 Duncan Rd – Robbins Bail Bonds
		607 Widewater Dr Twin City Taxi/Action Transport &
	·	Delivery/Luxury Limousine Service
		609 Widewater Dr. – Wrede & Sons Trucking Inc.
		703 Widewater Dr Whayne W. Sebrey & Assoc.
		706 Widewater Dr. – Lane Engineering Specialties Co.
		707 Widewater Dr. – Door & Sash, Inc.
		711 Widewater Dr. – Tire Specialty Inc.
		712 Widewater Dr. – Magic Glass Co.
•		715 Widewater Dr. – Wrede & Sons Trucking Inc.
		810 Widewater Dr. – Mechanics Laundry 79 Cordale Rd – Same as above.
1998	No Listings	77 – 779 Cordale Rd – No Listings
		2601 N 9 th St – Ed Grace Co. / Shambaugh & Sons, Inc.
		2610 N 9 th St – Petro Plus Grocery Store
		2616 Duncan Rd – No Listing
		607 Widewater Dr. – Martin's Auto Repair
		610 Widewater Dr. – Jesus Salbo
		614 Widewater Dr. – Sharp All Sharpening Service
		700 Widewater Dr. – Personal listing
	•	700 Widewater Dr. – Fersonal fishing 703 Widewater Dr. – Griffith Electric
		706 Widewater Dr. – No Listing
		700 Widewater Dr. – Personal listing
		707 Widewater Dr. – Tersonar name 711 Widewater Dr. – No Listing
	<u>'</u>	711 Widewater Dr. – No Eisting 715 Widewater Dr. – Wrede & Sons Trucking Inc.
		713 Widewater Dr. – Wrede & Sons Trucking Inc. 721 Widewater Dr. – Twin City Equipment
		810 Widewater Dr. – Personal Listing
		010 Widewater Dr 1 orsonar Disting
	·	



	CITY DIRECTORY REVIEW (Continued)		
Year	Property Listing for 2600 Duncan Road	Adjoining/Surrounding Property Listings	
2001	No Listings	79 Cordale Rd – Same as above.	
		777 Cordale Rd – Gonsalez Auto Repair, Jason	
		Enterprises, and U-haul Company Independent Dealer	
		779 Cordale Rd – Slutsky-Peltz Pluming & Heating Co.	
		2601 N 9 th St – Shambaugh & Sons, Inc.	
		2610 N 9 th St – Family Express/ Habben Crary & Sense	
		2616 Duncan Rd – No Listing	
		607, 610, and 614 Widewater Dr – No Listings	
		609 Widewater Dr. – Personal Listing	
		700 Widewater Dr. – Personal Listing	
		703 Widewater Dr Griffith Electric	
		706 Widewater Dr. – No Listing	
		707 Widewater Dr. – Greg Terry Welding	
		711 Widewater Dr Tire Specialty Safety Center	
		715 Widewater Dr. – Same as above	
		721 Widewater Dr. – Same as above	
		726 Widewater Dr. – Personal Listing	
		810 Widewater Dr. – Cintas (industrial laundry cleaning)	
2006	No Listings	79 Cordale Rd – Same as above.	
		777 Cordale Rd – Cor-Dale Court Mobile Homes,	
		Hillcrest Mobile Home Park, Hurt's Apartments,	
		Lafayette Jr. Enterprise, Inc., Modernaire Mobile Home	
	·	Park, Mr. Fence IT, R&J Sports Cards, and S&H	
		Trophies 779 Cordale Rd – No Listing.	
		2601 N 9 th St – Ed Grace Co./Shambaugh & Sons, Inc.	
		2610 N 9 th St – Family Express	
		2616 Duncan Rd – No Listing	
		607 Widewater Dr. – Personal Listing	
		609 Widewater Dr. – Griffith Group Inc.	
		610 & 614 Widewater Dr. – No Listings	
		700 Widewater Dr. – Personal Listing	
		706 & 707 Widewater Dr. – No Listings	
		711 Widewater Dr. – Same as above	
		712 Widewater Dr Magic Glass, Inc.	
		715 Widewater Dr. – No Listing	
*		721 Widewater Dr. – Same as above	
		726 Widewater Dr. – No Listing	
		801 Widewater Dr Service Master by Sarhort	
		Service Master Professional	

Based on a review of the city directories, the Property was not listed. The surrounding properties appear to have been a mix of light commercial and residential properties. No listings were available for any of the adjoining or surrounding properties prior to 1965. IWM Consulting does not consider the adjacent or near-adjacent properties as RECs with the exception of the laundry facility (Mechanic's Laundry then Cintas) located at directly south of the Property at 810 Widewater Drive since 1993.



6.4 Sanborn Fire Insurance Maps

It was determined that Sanborn Fire Insurance Maps depicting the Property were not available after IWM Consulting conducted a search at the Indiana Historical Society and a review of the Environmental Data Resources Inc. (EDR) Sanborn® Map Report (1885-1978).

6.5 Prior Environmental Report

On February 20, 1998, a Phase I ESA of the Property was completed by Alt & Witzig Engineering, Inc. for Mr. Steve Shook, The Shook Agency. This report was provided to IWM Consulting for review by the Tippecanoe County Board of Commissioners and is included in Appendix D.

The previous Phase I ESA stated that a fill pipe and vent pipe associated with a heating oil UST were observed extending from the basement on the north side of the former two-story residence/clubhouse in 1998. The previous Phase I ESA indicated that access to the basement of this building was not provided and therefore there was no indication as to whether the heating oil tank in question was in fact a UST or AST. IWM Consulting was unable to verify the closure status (i.e. removal) of the heating oil tank in the basement of the former two-story residence/clubhouse; therefore IWM Consulting considers the former UST or AST as a REC

According to the previous Phase I ESA, a report by Heritage Remediation/Engineering, Inc. was provided detailing excavation activities in a former landfill located northwest of the former two-story residence/clubhouse. The report indicates that 585 tons of waste were removed from this landfill area; however, between 2 and 6 feet of waste were left in the bottom of the excavation. The removed waste consisted of general refuse from the former two-story residence/clubhouse and Ed Grace Company, Inc. which included refrigerators, water heaters, tires, chemical containers, wood products and general refuse. Furthermore, no soil or groundwater sampling was performed during this investigation. Due to the lack of confirmatory soil and/or groundwater sampling in the area of the former landfill, IWM Consulting considers this to be a REC. IWM Consulting was unable to confirm the exact location of this landfill activity; however, the former landfill appears to coincide with the large swale in the east central area of the Property.

During the 1998 site reconnaissance, a battery was observed on the northeast portion of the Property. IWM Consulting observed a battery in the same area during the site visit on March 19, 2008.



7.0 RECONNAISANCE

This section presents information gathered during the Reconnaissance of the Property and adjoining properties. This noninvasive Reconnaissance was conducted to observe accessible and representative portions of the Property for evidence of RECs. The following indicators of RECs, as per ASTM guidelines, were the focus of this Reconnaissance: stained soils, stressed vegetation, transformers, evidence of above ground or underground storage tanks, trash and debris, use or storage of hazardous substances or petroleum products. IWM Consulting also interviewed (or made reasonable attempts to do so) the Property representative identified by the Client to gain more information about the Property uses and environmental issues, if known by the interviewee.

IWM Consulting representatives, Mr. Patrick Rohan, Project Manager and Mr. Donovan Wilczynski, Staff Geologist conducted the Reconnaissance on March 19, 2008. IWM Consulting was accompanied by the owner Mr. Steve Shook, Mr. Dan Teder an attorney for Reiling Teder & Schrier, LLC representing the City of Lafayette and Mr. Dave Luman an attorney for the County of Tippecanoe during the site visit. The weather was overcast with light rain and a temperature of approximately 41 degrees Fahrenheit. Observations at the Property were generally not limited during the site reconnaissance.

7.1 General Property Setting

The Property consists of a 25.585 acre rectangular-shaped, wooded, gently rolling lot. The southern and northwestern portions of the property are heavily wooded. There is a circular patch of woods in a depression in the central western area of the property. There is a large swale, approximately 30 feet wide and 100 feet long oriented southwest to northeast in the east central area of the Property. An empty 55 gallon drum and small propane tank were noted on the east ridge of this east central swale. A battery, several empty motor oil containers and an antifreeze container were observed on the northeastern part of the Property. Several water spigots were seen throughout the Property, these are associated with a sprinkler system for the former golf course. No areas of surface staining or stressed vegetation were noted during the site inspection.

7.2 Reconnaissance Observations: Properties

SPECIFIC OBSERVATIONS DURING RECONNAISSANCE			
Feature	Observed (Y/N)	Location	
Source of Drinking Water	N		
Sewage Disposal/Septic	N		
Use or Storage of Hazardous Substances	Y	A battery, several empty motor oil containers and an antifreeze container were observed on the northeast portion of the Property.	
Use or Storage of Petroleum Products	N		
Aboveground Storage Tanks	N	·	
Underground Storage Tanks (or related equipment)	N		
Surficial Staining or Corrosion	N		
Stressed Vegetation	N		
Drums or Other Containers	Y	A single empty 55-gallon drum and a single empty propane tank were observed on the east ridge of the east central swale.	
PCBs	N		
Drains and Sumps	N		



SPECIFIC OBSERVATIONS DURING RECONNAISSANCE			
Feature	Observed (Y/N)	Location	
Pits, Ponds or Lagoons	Y	A large swale, approximately 30 feet wide and 100 feet long orient southwest to northeast was located in the east central area of the Property.	
Solid Waste Disposal	N		
Wastewater Discharges	N		
Wells	N		
Odors	N		
Pools of Liquid	N		

The noted features observed on the site are described in more detail as follows:

- 1) The large swale in the east central area of the Property is potentially the former landfill referenced in the previous Phase I ESA report and is therefore considered a REC.
- 2) IWM Consulting observed abandoned farm machinery, a battery, several empty motor oil containers and an antifreeze container on the northeastern area of the Property. Additionally, an empty 55-gallon drum and empty propane container were observed on the east ride of the east central swale. The 55-gallon drum, propane container, battery, empty containers and farm machinery is considered a *de minimis* condition and should be properly disposed of off-site.

7.3 Reconnaissance: Adjoining Properties

Observations of adjoining properties from the Property's boundaries and public right-of-ways were made to identify apparent RECs. The following types of properties surround the Property:

ADJOINING PROPERTY OBSERVATIONS Direction from General Description Fea		
Direction from Property	General Description	Features suggesting RECs (Y/N)
North	Court-Dale Trailer Park, two vacant commercial buildings, Ed Grace Company, a division of Shambaugh & Sons, Inc. Contractors and Engineers and the Tippecanoe County Board of Commissioners Storage facility border the Property to the north.	Y
South	Widewater Industrial Park is directly south of the Property. Widewater Industrial Park consists of Holmes Heating & Cooling to the southeast. Magic Glass is east of Holmes Heating & Cooling; Smith Brothers Rental is east of Magic Glass; and Magnum Materials, Fastenal and Terra-Craft (former Mechanic's Laundry) is east of Smith Brothers Rental.	Y
East	North 9 th Street borders the Property to the east. Further east of North 9 th Street there is a vacant property, with a railroad track further east.	N
West	The Lafayette Municipal Golf Course is west of the Property.	N

Surrounding properties are generally a mix of commercial properties, residential properties or a municipal golf course. Due to the information obtained from the site reconnaissance, IWM Consulting considers two of the adjacent or near/adjacent properties as RECs.



- 1) The adjacent property to the southeast, Magnum Materials, Fastenal and Terra-Craft, had a groundwater monitoring well network. The current/former operations conducted at the off-site property have potentially impacted subsurface soil and groundwater in the immediate vicinity of the Property. IWM Consulting considers this site location to be a potential REC.
- 2) Shambaugh & Sons, Inc. Contractors and Engineers is located directly north of the Property. Seven 55-gallon drums, six safety cans, twelve propane containers, and three gas canisters are stored along the southern boundary of the north-adjacent property in close proximity of the Property. No surface staining or leaking was evident in relation to the off-site containers; however, the proximity of the chemical containers is still considered a *de minimis* condition.
- 3) The Lafayette Municipal Golf Course is adjacent to the southwest of the Property. An approximately 250 gallon AST was observed on this property. No surface staining or leaking was evident in relation to the off-site AST; however, the proximity of the AST is still considered a *de minimis* condition.



8.0 INTERVIEWS

Reasonable attempts were made to interview those with historical and current information concerning the Property's past and current uses and environmental issues or problems, if any.

8.1 Interviews with Owner, Property Manager and/or Occupants

Interview with Mr. Steve Shook, Owner: According to Mr. Steve Shook, the owner of the Property since 1998, the southern adjacent property, former Mechanics Laundry, may be an environmental concern. Otherwise, he is not aware of any indicators that point to the presence or likely presence of contamination at the Property based on personal knowledge or experience. He was unaware of any former landfill activities on the Property. He is not aware of any environmental liens on this property.

8.2 Interviews with Local Government Officials

Interview with Mr. Dan Teder, Attorney for the Reiling, Teder & Schrier, LLC representing the City of Lafayette: According to Mr. Dan Teder, the Property was formerly owned by the Ed Grace Company and had been used as a residence or clubhouse for a small private golf course. He indicated the southern adjacent property, former Mechanics Laundry, may be an environmental concern. He is not aware of any indicators that point to the presence or likely presence of contamination at the Property based on personal knowledge or experience. He was unaware of any landfill activities on the Property. He is not aware of any environmental liens on this property.

IWM Consulting contacted the Lafayette City Fire Department regarding known adverse environmental conditions at the Property. According to Ms. Samantha Taylor, no known environmental concerns have been reported for the Property.

The Tippecanoe County Health Department (TCHD) was interviewed regarding information relevant to the environmental condition of the Property. According to Mr. Ron R. Noles, TCHD, no known adverse environmental conditions have been reported.

8.3 <u>Interviews with Others</u>

No additional interviews were conducted during the course of this Phase I ESA.

A copy of the Communication Logs is provided in Appendix F.



9.0 DATA GAPS

ASTM 1527-05 defines a "data gap" as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information." IWM Consulting conducted this Phase I ESA for the Property and has identified the following "data gaps":

- The historical use of the property could not be identified back to first developed use (prior to 1939 aerial photograph former two-story residence/clubhouse located on the east central area of the Property).
- IWM Consulting was unable to contact the former property owner for the Property.
- Aerial photographs for the decade of the 1940's were unavailable for review.

It is the opinion of the Environmental Professional that the data gaps identified are not "significant data gaps" and do not hinder the ability of the Environmental Professional to develop definitive conclusions or recommendations regarding this Phase I ESA.



10.0 FINDINGS AND OPINIONS

- The previous Phase I ESA stated that a fill pipe and vent pipe associated with a heating oil UST were observed extending from the basement on the north side of the former two-story residence/clubhouse in 1998. The previous Phase I ESA indicated that access to the basement of this building was not provided; therefore, there was no indication as to whether the heating oil tank in question was in fact a UST or AST. IWM Consulting was unable to verify the closure status (i.e. removal) of the heating oil tank in the basement of the former two-story residence/clubhouse; therefore IWM Consulting considers the former UST or AST as a REC
- According to the previous Phase I ESA, a report was provided detailing excavation activities in a former landfill located northwest of the former two-story residence/clubhouse. The report indicates that 585 tons of waste were removed from this landfill area; however, between 2 and 6 feet of waste were left in the bottom of the excavation. The removed waste consisted of general refuse from the former two-story residence/clubhouse and Ed Grace Company, Inc. which included refrigerators, water heaters, tires, chemical containers, wood products and general refuse. Furthermore, no soil or groundwater sampling was performed during this investigation. IWM Consulting considers this to be a REC. IWM Consulting was unable to confirm the exact location of this landfill activity; however, the former landfill appears to coincide with the large swale in the east central area of the Property. IWM Consulting considers the swale area to be a REC.
- IWM Consulting considers the off-site property to the south (Former Mechanic's Laundry VRP No. 69080705) as a REC. In fact, several monitoring wells in conjunction with the Former Mechanic's Laundry facility are located south of the Property in the adjoining asphalt parking area. Based on a limited record review, it appears that dissolved VOC concentrations have been detected in the groundwater from the closest monitoring well location MW-2, between Magic Glass and the former Mechanics Laundry building. The source of the VOCs is the south adjacent Former Mechanic's Laundry facility, which reportedly utilized two (2) underground storage tanks (USTs) for gasoline storage and four (4) USTs for storage of Stoddard Solvent. The USTs were reportedly removed from the ground between 1989 and 1991. The Property appears to be hydraulically cross-gradient of the VOC source area (Former Mechanic's Laundry) and the presence of dissolved VOCs on the south-central portion of the Property is shown in the most recent VOC groundwater plume map, provided in Appendix E.
- If necessary, a comprehensive Phase II Subsurface Investigation would need to be conducted to determine if the Property has been further impacted by past on-site and off-site operating activities, in the areas along the south boundary of the Property; and in the proximity of the former heating oil UST or AST and swale location.

It is also IWM Consulting's opinion that sufficient evidence exists to classify the environmental conditions listed below as *de minimis* conditions. A *de minimis* condition is a condition that would not generally be the subject of an enforcement action(s) but may be of environmental interest. IWM Consulting is providing an additional recommendation to address a possible concern with the Property.

• During the site reconnaissance, IWM Consulting observed abandoned farm machinery, a battery, several empty quart-size motor oil containers and an antifreeze container on the northeastern area of the Property. Additionally, an empty 55-gallon drum and empty propane container were observed on the east central portion of the property directly east of the swale. The 55-gallon drum, propane container, battery, empty containers and farm machinery should be properly disposed of off-site.



- Shambaugh & Sons, Inc. Contractors and Engineers is located directly north of the Property. Seven 55-gallon drums, six safety cans, twelve propane containers, and three gas canisters are stored along the southern boundary of the north-adjacent property in close proximity of the Property. No surface staining or leaking was evident in relation to the off-site containers; however, the proximity of the chemical containers is still considered a *de minimis* condition.
- The Lafayette Municipal Golf Course is adjacent to the southwest of the Property. An approximately 250 gallon AST was observed on this property. No surface staining or leaking was evident in relation to the off-site AST; however, the proximity of the AST is still considered a *de minimis* condition.



11.0 CONCLUSIONS

IWM Consulting has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527 of the Property located primarily at 2600 Duncan Road in Lafayette, Indiana. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report.

It is the opinion of IWM's Environmental Professional that this environmental site assessment has identified conditions indicative of historical releases or threatened releases of hazardous substances at the Property from possible on-site and off-site sources.



12.0 REDEVELOPMENT INCENTIVES

IWM Consulting had identified possible redevelopment incentives that may potentially be utilized during future development at the property. The following is a list of program incentives by agency:

Indiana Economic Development Corporation:

- <u>Shovel Ready Program</u> This program plays a vital role in state economic development by assisting companies and communities identify sites that can be rapidly developed. All minimum standards needed to apply into this program appear to have been achieved.
- 21st Century Research and Technology Fund The fund stimulates the process of diversifying the state's economy by developing and commercializing advanced technologies in Indiana, and it emphasizes the creation of academic-sector/commercial-sector partnerships.
- <u>Certified Technology Park Program</u> Program is designed to support and attract growth of hightechnology businesses in Indiana and promote technology transfer opportunities.
- <u>Economic Development for a Growing Economy Tax Credit (EDGE)</u> This program rewards companies that create new jobs and contribute to the growth of Hoosier income.
- <u>Hoosier Business Investment Tax Credit (HBITC)</u> This program provides a credit against a company's Indiana tax liability to encourage capital investment in Indiana.
- <u>Industrial Development Grant Fund (IDGF)</u> This grant fund provides financial support for infrastructure improvements in conjunction with projects creating jobs and generating capital investment in Indiana.
- <u>Industrial Recovery Tax Credit (Dinosaur Building)</u> This tax credit provides an incentive for companies to invest in facilities requiring significant rehabilitation or remodeling expense.
- <u>SBIR/STTR Matching Program</u> This fund provides matching grants (up to a maximum amount of \$100K) to recipients of Phase I awards from the Small Business Innovation and Research (SBIR) and Small Business Technology Transfer (STTR) programs.
- <u>Skills Enhancement Fund (SEF)</u> The SEF program provides reimbursement for training expenses to encourage companies to invest in their existing workforce and train new employees.
- <u>Venture Capital Investment Tax Credit</u> This program assists Indiana companies in raising capital by offering a tax incentive to individual and corporate investors.

Indiana Finance Authority, Indiana Brownfields Program:

The mission of this program is to encourage and assist investment in the redevelopment of Brownfield properties by helping communities via technical and financial assistance to identify and mitigate environmental barriers that impede local economic growth. The Indiana Brownfields Program offers financial assistance in the forms of grants and low-interest loans for site assessment, remediation, and demolition. The State also matches grants for recipients of U.S. EPA Brownfields funding and offers tax incentives for voluntary



remediation activities at qualified Brownfield sites. Available sources of financial assistance include the following:

- Stipulated Site Assessment Grants
- Stipulated Remediation Grants
- Petroleum Remediation Grants
- Federal Matching Grants
- Brownfield Low-Interest Loans
- Voluntary Remediation Tax Credits

Federal Grants and Assistance:

Cities and towns have used several federal programs to help finance some aspect of Brownfield reuse – basic site preparation, planning, site assessment, cleanup, and construction. Only three of these programs explicitly focus on Brownfields: the U.S. Environmental Protection Agency (EPA) assessment and cleanup programs, and the U.S. Department of Housing and Urban Development (HUD) Brownfield economic development initiative (known as BEDI), which mainly applies to block-grant entitlement cities. A list of pertinent federal programs is provided below.

- <u>U.S. EPA Programs</u> Three EPA financing programs have been used exclusively to spur Brownfield redevelopment, and a fourth has shown promise in several states. The available programs are as follows:
 - 1) Site Assessment Grants
 - 2) Site Cleanup Grants
 - 3) The Brownfield Cleanup Revolving Loan Fund
 - 4) Clean Water State Revolving Loan Funds
- <u>U.S. HUD Programs</u> HUD programs offer communities the most resources for Brownfield projects and the greatest flexibility in carrying them out. The available programs are as follows:
 - 1) Community Development Block Grants (CDBG)
 - 2) Section 108 Loan Guarantee Program
 - 3) HOME Investment Partnerships Program
 - 4) Brownfields Economic Development Initiative (BEDI)
 - 5) Renewal Community/Empowerment Zone/Enterprise Community (RC/EZ/EC) Initiative
 - 6) Economic Development Initiative (EDI)
- <u>U.S. Economic Development Administration (EDA) Programs</u> The EDA has emerged as one of the EPA's strongest interagency partners. EDA funding can cover the costs of addressing various kinds of contamination, including leaking underground tanks, asbestos, PCBs, and lead paint, which can make it more flexible than other federal programs. Many communities may not be eligible for EDA funds due to eligibility criteria which are linked to unemployment rates.
- <u>U.S. Army Corps of Engineers Program</u> If a Brownfield can be tied to water or water quality, it may be eligible for support from the U.S. Army Corps of Engineers.
- <u>U.S. Department of Transportation (DOT) Program</u> Some communities have made creative use of federal DOT funds for Brownfield purposes, linking transportation projects with Brownfield projects

26.0 Acre Vacant Lot – 2600 Duncan Road • 4/02/2008 • Page 27

in the following ways. The Brownfield site itself may be a transportation facility (i.e. road, port or rail yard) in need of upgrading. In other cases, transportation system improvements are needed to make the Brownfield site more marketable; such as expanding access that better connects vehicles or rail with people and sites. An additional use consists of using the transportation upgrade as part of the pollution solution, using roads, parking lots, and other transportation structures as caps to safely limit exposure and make site development costs more manageable.

<u>Federal Tax Programs</u> – The federal tax code provides a unique tool, the Brownfield tax expensing incentive. It enables taxpayers to deduct environmental cleanup costs in the year they occur them, rather than having to capitalize them over time. In addition, for revitalization strategies that include affordable housing, Brownfield projects can be linked with low-income housing tax credits.



13.0 ADDITIONAL SERVICES

Additional services provided in the Phase I ESA Report include the following:

- Aerial photographs
- Property photographs
- Site Map

No additional services were performed as part of this Phase I ESA for the Property.



14.0 DEVIATIONS

No deviations were incurred during the Phase I ESA activities.



15.0 REFERENCES

Bartsch, Charles & Wells, Barbara, Financing Strategies for Brownfield Cleanup and Redevelopment, Northeast-Midwest Institute, June 2003

City of Lafayette Fire Department

DeLorme® 3-D TopoQuads, United States Department of the Interior, Geologic Survey, Topographical Map Lafayette, IND 1998.

Economic Development Programs, Homes & Communities, U.S. Department of Housing and Urban Development.

Environmental Data Resources, Inc., February 20, 2007. ASTM-Compliant Phase 1 EDR DataMap[®] Environmental Atlas: Wabash River Project, Tippecanoe County, IN, Inquiry Number 01855723.1r.

Environmental Data Resources, Inc., The Sanborn Library, LLC

Federal Emergency Management Agency, National Flood Insurance Program, Flood Insurance Rate Map, County of Tippecanoe, Indiana (Unincorporated Areas), Panel 1 of 5, Map Number 180253 00501 B, Effective Date: November 19, 1980.

Indiana Department of Environmental Management - File Room

Indiana Historical Library, Indiana Division

Polk Lafayette City Directories (1939-2007)

Sanborn Fire Insurance Maps, City of Lafayette (1885-1978)

Summary of Notable Federal Business and Economic Development Programs and Initiatives, Federal Grants and Assistance, Northeast-Midwest Institute, 2006

Tippecanoe County Auditor's Office

Tippecanoe County Department of Health

Tippecanoe County Public Library, Genealogy Department

Tippecanoe County Recorder's Office



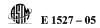
16.0 PROFESSIONAL STATEMENT

Signature of Environmental Professionals

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40CFR 312. We have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject Property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Copies of the environmental qualifications of the Environmental Professionals are included in Appendix I.

Ву	Dated:	
IWM Consulting Group, LLC		
By	Dated:	
IWM Consulting Group, LLC		





26.0 Acre Vacant Parcel 2600 Duncan Road Lafayette, IN.

X3. USER QUESTIONNAIRE

INTRODUCTION

In order to qualify for one of the *Landowner Liability Protections (LLPs)*¹ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*),² the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25). Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state, or local law?

No

2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

No

3) Specialized knowledge or experience of the person seeking to qualify the LLP (40 CFR 312.28).

As the *user* of this *ESA*, do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No

P.L.. 107-118, ASTM E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process

Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements" Guide) issued on March 6, 2003.



4) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

Yes

- 5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
 - a) Do you know the past uses of the property?

Yes, reviewed Alt & Witzig Engineering, Inc. Phase I Environmental Assessment dated February 14, 1998 and IWM Consulting report dated April 2, 2008 and IWM Initial Assessment Report dated August 22, 2008

b) Do you know of specific chemicals that are present or were once present at the property?

No

c) Do you know of spills or other chemical releases that have taken place at the *property*?

No

d) Do you know of any environmental cleanups that have taken place at the property?

No

6) The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *user* of this *ESA*, based on your knowledge and experience related to the *property*, are the any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

No



X3.1 USER QUESTIONNAIRE

In addition, certain information should be collected, if available, and provided to the *environmental professional* selected to conduct the Phase I. This information is intended to assist the *environmental professional* but is not necessarily required to qualify for one of the *LLPs*. The information includes:

a) the reason why the Phase I is required,

We wish to acquire the property for purpose of constructing a juvenile justice facility. The facility will provide secured detention for juvenile offenders, intake and assessment services, alternative programming and office space for supporting activities. Future expansion is planned to include juvenile court facilities and other governmental offices.

b) the type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.,

We wish to purchase fee simple ownership of the property.

c) the complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful),

The common address is 2600 Duncan Road, Lafayette, Indiana, 47904. It is identified for tax purposes in the Tippecanoe County Auditor's Records as Key Number 158-17200-0162. Maps included in Alt & Witzig Engineering, Inc. Phase I Environmental Assessment dated February 14, 1998 and IWM Consulting Initial Assessment dated August 22, 2008

d) the scope of services desired for the Phase I (including whether any parties to the *property* transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527 are to be considered),

As set forth in the Agreement to Perform Environmental Services between Greater Lafayette Community Development Corporation and IWM Consulting Group, LLC dated February 7, 2007, and any amendments of supplements thereto.

- e) identification of all parties who will rely on the Phase I report, The Board of Commissioners of Tippecanoe County, Indiana, Canal Partners, LLC, Greater Lafayette Community Development Corporation
- f) identification of the site contact and how the contact can be reached, Canal Partners, LLC c/o Steve Shook, Coldwell Banker Shook Agency (765) 742-1400
- g) any special terms and conditions which must be agreed upon by the *environmental* professional, and

None

h) any other knowledge or experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site* assessment reports, documents, correspondence, etc., concerning the *property* and its environmental condition).

See answer to Question 5(a)

This questionnaire was completed by:
Name: Laurie Wilson
Title: Tippecanoe County Grant Facilitator
Signature: Jurie Mlsn
Company of User: Tippecanoe County Government
Address of User: 20 North Third Street, Lafayette, IN 47901
Data: 10-21-08

APPENDIX E

REGULATORY DATABASE DESCRIPTIONS AND RELATED DOCUMENTS

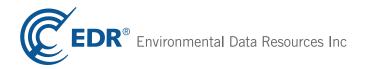


26 Acre Parcel 2600 Duncan Road Lafayette, IN 47904

Inquiry Number: 2343870.1s

October 20, 2008

The EDR Radius Map™ Report



440 Wheelers Farms Road Milford, CT 06461 Toll Free: 800.352.0050 www.edrnet.com

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GEOCHECK ADDENDUM	•

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2600 DUNCAN ROAD LAFAYETTE, IN 47904

COORDINATES

Latitude (North): 40.444940 - 40° 26' 41.8" Longitude (West): 86.882290 - 86° 52' 56.2"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 509982.4 UTM Y (Meters): 4476939.0

Elevation: 559 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40086-D8 LAFAYETTE WEST, IN

Most Recent Revision: 2001

East Map: 40086-D7 LAFAYETTE EAST, IN

Most Recent Revision: 2001

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
26 ACRE VACANT LOT 2600 DUNCAN ROAD LAFAYETTE, IN 47904	US BROWNFIELDS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

Proposed NPL..... Proposed National Priority List Sites

LIENS 2..... CERCLA Lien Information

RCRA-TSDF...... RCRA - Transporters, Storage and Disposal

RCRA-LQG RCRA - Large Quantity Generators RCRA-SQG RCRA - Small Quantity Generators US ENG CONTROLS Engineering Controls Sites List US INST CONTROL Sites with Institutional Controls

ERNS..... Emergency Response Notification System

HMIRS..... Hazardous Materials Information Reporting System

UMTRA______ Uranium Mill Tailings Sites
ODI______ Open Dump Inventory

DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

MINES..... Mines Master Index File

TRIS...... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

FTTS______FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS......FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS...... Integrated Compliance Information System

STATE AND LOCAL RECORDS

SHWS......List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

DEL SHWS..... Deleted Commissioner's Bulletin Sites List

AIRS..... Permitted Sources & Emissions Listing

TIER 2..... Tier 2 Facility Listing

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations

INDIAN ODI______ Report on the Status of Open Dumps on Indian Lands INDIAN LUST_____ Leaking Underground Storage Tanks on Indian Land

INDIAN UST...... Underground Storage Tanks on Indian Land

INDIAN VCP..... Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 08/13/2008 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TIPPECANOE SANITARY LANDFILL,	2801 NORTH 9TH RD, 1/2	ENE 1/2 - 1 (0.515 mi.)	0	7

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/03/2007 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PICKERING PROPERTY	2453 NORTH 9TH STREET	SSW 0 - 1/8 (0.114 mi.)	B5	21

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/11/2008 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LANDIS & GYR	3601 SAGAMORE PKY N	NW 1/2 - 1 (0.560 mi.)	21	47

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/10/2008 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MLS LIQUIDATING TRUST	810 WIDEWATER DR	SW 0 - 1/8 (0.108 mi.)	A3	16

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 09/10/2008 has revealed that there are 2 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUDLOWS INC	2438 N 9TH ST	SSW 1/8 - 1/4 (0.136 mi.)	B7	22
HUDLOWS	2610 N 9TH ST	NE 1/8 - 1/4 (0.148 mi.)	D10	28

US BROWNFIELDS: The EPA's listing of Brownfields properites addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

A review of the US BROWNFIELDS list, as provided by EDR, and dated 07/01/2008 has revealed that there are 7 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 9- WIDEWATER INDUSTRIAL PA	801 WIDEWATER DRIVE	SW 0 - 1/8 (0.114 mi.)	A4	20
LOT 1- WIDEWATER INDUSTRIAL PA	722 WIDEWATER DRIVE	WSW 1/8 - 1/4 (0.146 mi.)	C8	26
LOT 2- WIDEWATER INDUSTRIAL PA	712 WIDEWATER DRIVE	WSW 1/8 - 1/4 (0.151 mi.)	C11	30
LOT 7- WIDEWATER INDUSTRIAL PA	711 WIDEWATER DRIVE	WSW 1/8 - 1/4 (0.151 mi.)	C12	32
LOT 3- WIDEWATER INDUSTRIAL PA	706 WIDEWATER DRIVE	WSW 1/8 - 1/4 (0.153 mi.)	C13	33
LOT 6- WIDEWATER INDUSTRIAL PA	707 WIDEWATER DRIVE	WSW 1/8 - 1/4 (0.153 mi.)	C14	35
LOT 5- WIDEWATER INDUSTRIAL PA	703 WIDEWATER DRIVE	WSW 1/8 - 1/4 (0.155 mi.)	C15	36

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 06/18/2008 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TIPPECANOE SANITARY LANDFILL,	2801 NORTH 9TH RD, 1/2	ENE 1/2 - 1 (0.515 mi.)	0	7

STATE AND LOCAL RECORDS

Equal/Higher Elevation

Description: NFA-UST Branch Guidance Manual

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Management's list: Permitted Solid Waste Facilities/Landfills Closed Prior to December 5, 1991.

A review of the SWF/LF list, as provided by EDR, and dated 07/08/2008 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TIPPECANOE COUNTY TRANSFER AND	2770 N 9TH ST	NE 1/4 - 1/2 (0.337 mi.)	18	39

LUST: Lust List.

A review of the LUST list, as provided by EDR, and dated 09/24/2008 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Address

MARSH VILLAGE PANTRY 502 Description: NFA-UST Branch Gu Description: NFA-UST Branch Gu *Additional key fields are available	idance Manual	SE 1/4 - 1/2 (0.416 mi.)	20	46
Lower Elevation	Address	Direction / Distance	Map ID	Page
OSCAR WINSKI CO Description: Active Description: Active	2407 CANAL RD	SSW 1/8 - 1/4 (0.184 mi.)	17	38
CSX BIDS TERMINAL	2934 SAGAMORE PKWY N	NE 1/4 - 1/2 (0.403 mi.)	19	40

Direction / Distance

Map ID

Page

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Management's Indiana Registered Underground Storage Tanks list.

A review of the UST list, as provided by EDR, and dated 09/24/2008 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CENTRAL IND GLASS & GLAZING TIPPECANOE COUNTY SHERIFF	2632 A N 9TH ST RD 2640 DUNCAN RD	NE 0 - 1/8 (0.083 mi.) NE 1/8 - 1/4 (0.157 mi.)	2 16	16 38
Lower Elevation	Address	Direction / Distance	Map ID	Page

EXECUTIVE SUMMARY

MANIFEST:

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2006 has revealed that there are 3 MANIFEST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
MLS LIQUIDATING TRUST	810 WIDEWATER DR	SW 0 - 1/8 (0.108 mi.)	A3	16	
HUDLOWS INC	2438 N 9TH ST	SSW 1/8 - 1/4 (0.136 mi.)	B7	22	
HUDLOWS	2610 N 9TH ST	NE 1/8 - 1/4 (0.148 mi.)	D10	28	

VCP: Department of Environmental Management's current list of Voluntary Remediation Program sites that are no longer confidential.

A review of the VCP list, as provided by EDR, and dated 04/01/2008 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MECHANIC'S LAUNDRY	2438 N. 9TH ST.	SSW 1/8 - 1/4 (0.136 mi.)	B6	22

EXECUTIVE SUMMARY

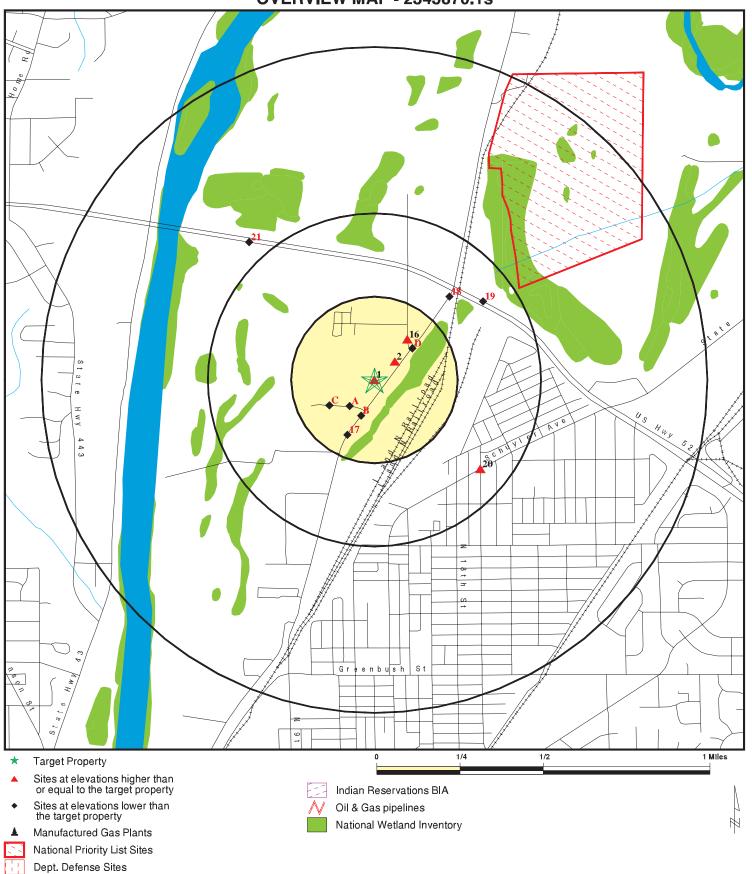
Due to poor or inadequate address information, the following sites were not mapped:

Site Name Database(s)

FAMILY EXPRESS 38
MECHANICS LAUNDRY LAFAYETTE
KENNY'S & HUDLOW'S
INDOT ST 52 79 02030JAWB
RUTLEDGE TOWING & RECOVERY
LOT 4- WIDEWATER INDUSTRIAL PARK
LOT 11- WIDEWATER INDUSTRIAL PARK
LOT 10- WIDEWATER INDUSTRIAL PARK

UST
UST
DRYCLEANERS
MANIFEST, RCRA-NonGen
RCRA-NonGen
US BROWNFIELDS
US BROWNFIELDS
US BROWNFIELDS

OVERVIEW MAP - 2343870.1s



SITE NAME: 26 Acre Parcel 2600 Duncan Road ADDRESS: Lafayette IN 47904 LAT/LONG:

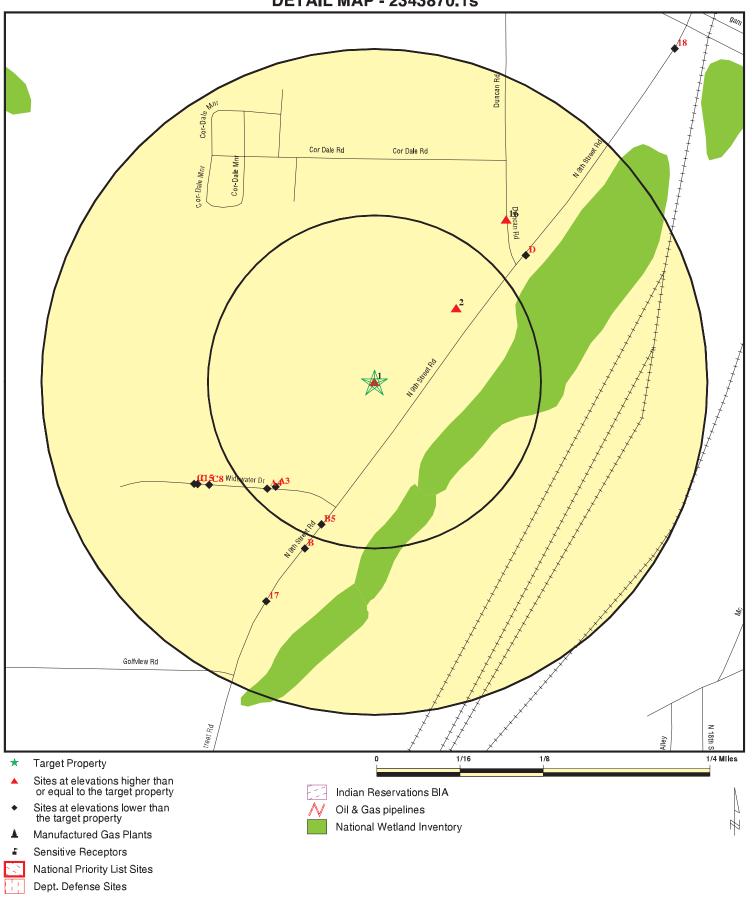
40.4449 / 86.8823

CLIENT: IWM Consulting CONTACT: Patrick Rohan **IWM Consulting Group**

INQUIRY#: 2343870.1s

DATE: October 20, 2008 3:27 pm

DETAIL MAP - 2343870.1s



SITE NAME: 26 Acre Parcel ADDRESS: 2600 Duncan Road Lafayette IN 47904

40.4449 / 86.8823

LAT/LONG:

CLIENT: IWM Consulting Group CONTACT: Patrick Rohan

INQUIRY#: 2343870.1s

DATE: October 20, 2008 3:27 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL Proposed NPL Delisted NPL NPL LIENS CERCLIS CERC-NFRAP LIENS 2 CORRACTS RCRA-TSDF RCRA-LQG RCRA-SQG RCRA-CESQG RCRA-NonGen US ENG CONTROLS US INST CONTROL ERNS HMIRS DOT OPS US CDL US BROWNFIELDS DOD FUDS LUCIS CONSENT ROD UMTRA ODI DEBRIS REGION 9 MINES TRIS TSCA FTTS HIST FTTS SSTS ICIS PADS MLTS RADINFO FINDS RAATS SCRD DRYCLEANERS	X	1.000 1.000 1.000 TP 0.500 0.500 TP 1.000 0.250 0.250 0.250 0.250 0.500 TP TP TP TP TP TP 0.500 1.000 1.000 0.500 0.500 0.500 0.500 TP	0 0 0 R 0 1 R 0 0 0 0 1 0 0 0 R R R R R	0 0 0 R 0 0 R 0 0 0 0 0 2 0 0 R R R R 6 0 0 0 0 0 0 0 0 0 R R R R	O O O R O O R R R R O O O R O O O O O O	1 0 0 R R R R 1 R R R R R R R R R R R R	NR R R R R R R R R R R R R R R R R R R	1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0
STATE AND LOCAL RECOR	<u>DS</u>							
SHWS SWF/LF LUST UST		1.000 0.500 0.500 0.250	0 0 0 1	0 0 1 3	0 1 2 NR	0 NR NR NR	NR NR NR NR	0 1 3 4

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEL SHWS		1.000	0	0	0	0	NR	0
BULK		0.250	0	0	NR	NR	NR	0
MANIFEST		0.250	1	2	NR	NR	NR	3
SPILLS		TP	NR	NR	NR	NR	NR	0
AUL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	1	0	NR	NR	1
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
TIER 2		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECOR	DS							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Property

Elevation Site Database(s) EPA ID Number

1 26 ACRE VACANT LOT US BROWNFIELDS 1011812975
Target 2600 DUNCAN ROAD N/A

LAFAYETTE, IN 47904 US BROWNFIELDS:

Recipient name: Tippecanoe County

Actual: Project name: Tippecanoe County, IN (A04)
559 ft. Property name: 26 Acre Vacant Lot

Parcel #: 158-17200-0162
Parcel size: 25.86000
Latitude: 40.44539
Longitude: 86.88976

Region: 5

HCM label: Interpolation-Map Map scale: Not reported

Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 77981 Start date: 3/19/2007 Completed date: 4/2/2007

Accomplishment type: Phase I Environmental Assessment

Accomplishment (acres): 0.00000

Ownership entity: Private

Current use: Not reported

Current owner: Widewater Industrial Park

Past use flag: Yes

Future use flag: Not reported

Cleanup required: No

Proprietary controls: Not reported Gov. control: Not reported Enforcement permit tools: Not reported Not reported Info. devices: Not reported Video available: Photo available: Not reported Residential Usage type: Not in state/tribal program: Yes

IC data address: Not reported IC in place date: Not reported IC in place flag: Not reported

IC required flag: No

NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Not reported Air contaminated: Air cleaned: Not reported Asbestos found: Not reported Not reported Asbestos cleaned: Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Not reported Groundwater affected: Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported None found: None cleaned up: Not reported

No media found: Yes

No media cleaned up: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

26 ACRE VACANT LOT (Continued)

1011812975

1000345823

IND980997639

Other found: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported PAHs found: Not reported Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Soil cleaned up: Not reported Surface water affected: Not reported Surface water cleaned: Not reported Yes Unknown found: Unknwon cleaned: Not reported Unknown media: Not reported Unknown media cleaned: Not reported VOCs found: Not reported

Property Description: The property consists of 25.585 acre rectangular-shaped lot with poen

Not reported

undulating fields and partially wooded areas.

NPL TIPPECANOE SANITARY LANDFILL, INC.
Region 2801 NORTH 9TH RD, 1/2 MI N OF US 52
ENE LAFAYETTE, IN 47905

VOCs cleaned:

1/2-1 LAFAYETTE, IN 4/905

2721 ft.

CERCLIS FINDS NPL ROD US ENG CONTROLS US INST CONTROL

CERCLIS:

Site ID: 0501964

Federal Facility: Not a Federal Facility
NPL Status: Currently on the Final NPL

Non NPL Status: Not reported

CERCLIS Site Contact Name(s):

Contact Name: LINDA KERN Contact Tel: (312) 886-7341

Contact Title: Remedial Project Manager (RPM)

Contact Name: JANET POPE Contact Tel: (312) 353-0628

Contact Title: Community Involvement Coordinator

CERCLIS Site Alias Name(s):

Alias Name: TIPPECANOE SAN LDFL

Alias Address: Not reported

TIPPECANOE, IN

Alias Name: TIPPECANOE SAN LDFL

Alias Address: Not reported

Not reported

Alias Name: TIPPECANOE SAN LDFL

Alias Address: Not reported Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

EPA ID Number Site Database(s)

TIPPECANOE SANITARY LANDFILL, INC. (Continued)

1000345823

EDR ID Number

Alias Name: TIPPECANOE SANITARY LANDFILL, INC NORTH 9TH STREET 1/2MILE NORTH OF US 52 Alias Address:

LAFAYETTE, IN 47992

TIPPECANOE SANITARY LANDFILL, INC. Alias Name: Alias Address: 2801 NORTH 9TH RD, 1/2 MI N OF US 52

LAFAYETTE, IN 47905

Site Description: The Tippecanoe Sanitary Landfill, Inc. (TSL) site (Site) is located at 2801 North Ninth Street Road, just outside Lafayette, Indiana. The approximately 79-acre site lies within the common floodplain of the Wabash River, which lies north and west of the landfill, and Wildcat Creek, which flows toward the north approximately 600 feet northeast of the landfill. The Indiana Department of Environmental Management (IDEM) is the lead agency on this Site with the U.S. Environmental Protection Agency (USEPA) serving as the support agency. In 1971, Tippecanoe County, Indiana, Purdue University, the City of West Lafayette, Indiana, and the City of Lafayette, Indiana decided that there should be one landfill in the county that local residents, commercial entities, and industry could use for the disposal of non-hazardous wastes. As a result, the first three parties moved ahead to establish such a landfill; the City of Lafayette, Indiana, joined them later. TSL was privately formed to operate a landfill and reached an agreement with the Tippecanoe County Board of Commissioners in June 1971 for the operation of a landfill. TSL first leased the property at the Site for the landfill in June 1971; about 10 acres in the northwest corner, which were not clearly defined, were excluded from the lease. An operating permit was issued on April 12, 1971 and landfilling operations began in June 1971. Gerald Schlossberg purchased TSL in about 1975, and on February 17, 1976 the State Board of Health issued another operating permit for the landfill. The municipal landfill was operated at the Site until it was closed in October 1989 pursuant to a Consent Decree from an Indiana state court. During the years that the landfill was operated, there were several periods when the landfill did not have an operating permit from the state. During these periods, the landfill generally continued to operate while the landfill operator appealed the state's permit decisions in Indiana state courts. Some of the claims against the landfill operator were that there was only sporadic daily cover, unsatisfactory daily cover, possible acceptance of hazardous waste, poor geologic conditions, and failures to operate in accordance with the requirements of thepermit. Primarily, the wastes disposed of at the Site were the solid wastes generated by local residents, businesses, and industries. An industrial sludge went to the Site for a number of years in the 1970s, and this practice was discontinued when asludge sample was found to contain elevated levels of polychlorinated biphenyls (PCBs). During the last year or more of operation, some out-of-state wastes were accepted at the Site. The landfill closed before the anticipated final elevations were reached. An acceptable final cover was never completely and properly installed over the landfill after the landfill stopped accepting wastes. On March 8, 1990, the USEPA, the Indiana Department of Environmental Management (IDEM), and ten of the parties who had been named potentially responsible parties (PRPs) for the Site agreed to an Administrative Order on Consent that required these PRPs to conduct a remedial investigation (RI) and feasibility study (FS) for the Site. More parties were named PRPs in 1992, and nine additional PRPs joined the original group. The Site was finalized on the National Priorities List (NPL) on August 30, 1990. The RI/FS was completed in July 1997 with the Record of Decision being signed on September 30, 1997, by the U. S. EPA, upon which, the State gave its concurrence. A ROD addressing OU1 was completed in July 1997. On March 31, 1998, the Indiana Department of Environmental Management (IDEM) signed a Consent Decree with the property Owner Defendants and the Settling Defendant for the implementation of the remedial design (RD) and remedial action (RA) for the site. The Consent Decree was entered in U. S. District Court in Indianapolis on August 10, 1998. On April

Direction Distance Elevation

Site Database(s) EPA ID Number

TIPPECANOE SANITARY LANDFILL, INC. (Continued)

1000345823

EDR ID Number

16, 1999, IDEM approved the Remedial Design Work Plan (RDWP) for the site. On April 10, 2000, IDEM granted the PRPs' permission to initiate preliminary construction activities necessary to prepare the site for RA commencement. On June 22, 2000, IDEM gave conditional approval of theRD, excluding the Leachate Extraction System and the Operation & Maintenance Plan. These portions were excluded pending the resolution of a dispute for disposal of the leachate generated at the landfill at the local POTW as presented in the ROD selected remedy. During the selected remedy construction, it was discovered that landfill wastes extended to the edge or very near the edge of the property boundary for the landfill. Since waste relocation was excluded as an option in the ROD and, even ifit were not excluded, the volume of waste that would need to be relocated was extremely large, the next best option was for the PRPs to purchase additional land along the property boundaries involving the waste encroachment. Therefore, additional land was purchased along the northern, eastern, and southern property boundaries. The additional property purchased varied from 50 foot to 150 foot wide strips of land. An ESD addressing OU1 was completed in September 2001.

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 01/01/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported
Date Completed: 03/29/1985

Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 03/16/1986

Priority Level: Higher priority for further assessment

Action: HAZARD RANKING SYSTEM PACKAGE

Date Started: Not reported
Date Completed: 03/16/1986
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)

Date Started: Not reported
Date Completed: 03/26/1987
Priority Level: Not reported

Action: PROPOSAL TO NATIONAL PRIORITIES LIST

Date Started: Not reported

Date Completed: 06/24/1988

Priority Level: Not reported

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH

Date Started: Not reported
Date Completed: 07/31/1989
Priority Level: Not reported

Action: REMOVAL ASSESSMENT

Date Started: 08/16/1989
Date Completed: 08/25/1989
Priority Level: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TIPPECANOE SANITARY LANDFILL, INC. (Continued)

1000345823

Action: Special Notice Issued

Not reported Date Started: Date Completed: 09/29/1989 Priority Level: Not reported

REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS Action:

09/29/1989 Date Started: 03/08/1990 Date Completed: Priority Level: Not reported

ADMINISTRATIVE ORDER ON CONSENT Action:

Date Started: Not reported Date Completed: 03/08/1990 Priority Level: Not reported

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST

Date Started: Not reported 08/30/1990 Date Completed: Priority Level: Not reported

Action: REMOVAL ASSESSMENT

Date Started: 01/08/1991 Date Completed: 04/15/1991 Priority Level: Not reported

REMOVAL ASSESSMENT Action:

Date Started: 03/25/1993 Date Completed: 03/25/1993 Priority Level: Not reported

ISSUE REQUEST LETTERS (104E) Action:

Date Started: Not reported Date Completed: 02/24/1997 Priority Level: Not reported

ISSUE REQUEST LETTERS (104E) Action:

Date Started: Not reported Date Completed: 04/18/1997 Priority Level: Not reported

ISSUE REQUEST LETTERS (104E) Action:

Date Started: Not reported Date Completed: 04/21/1997 Priority Level: Not reported

RECORD OF DECISION Action:

Date Started: Not reported Date Completed: 09/30/1997

Priority Level: Final Remedy Selected at Site

POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY Action:

STUDY 03/08/1990 Date Started: Date Completed: 09/30/1997 Priority Level: Not reported

Action: CONSENT DECREE

Direction Distance Elevation

Site Database(s) EPA ID Number

TIPPECANOE SANITARY LANDFILL, INC. (Continued)

1000345823

EDR ID Number

Date Started: Not reported
Date Completed: 08/10/1998
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN

Date Started: 08/10/1998
Date Completed: 06/22/2000
Priority Level: Not reported

Action: PRELIMINARY CLOSE-OUT REPORT PREPARED

Date Started: Not reported
Date Completed: 09/27/2001
Priority Level: Not reported

Action: Explanation Of Significant Differences

Date Started: Not reported
Date Completed: 09/27/2001
Priority Level: Not reported

Action: CLOSE OUT REPORT

Date Started: Not reported
Date Completed: 09/27/2002
Priority Level: Not reported

Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT

Date Started: 09/29/1995
Date Completed: 09/27/2002
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION

Date Started: 06/22/2000
Date Completed: 09/27/2002
Priority Level: Final RA Report

Action: POTENTIALLY RESPONSIBLE PARTY COMMUNITY INVOLVEMENT

Date Started: 09/27/1990
Date Completed: 09/27/2002
Priority Level: Not reported

Action: FIVE-YEAR REVIEW

Date Started: 01/25/2005
Date Completed: 09/30/2005
Priority Level: Not reported

FINDS:

Other Pertinent Environmental Activity Identified at Site

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility

Direction Distance

Elevation Site Database(s) EPA ID Number

TIPPECANOE SANITARY LANDFILL, INC. (Continued)

1000345823

EDR ID Number

Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node

NPL:

EPA ID: IND980997639

EPA Region: 05 Federal: N

Final Date: 08/30/1990

Category Details:

NPL Status: Currently on the Final NPL Category Description: Depth To Aquifer-<= 10 Feet

Category Value: 8

NPL Status: Currently on the Final NPL

Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile

Category Value: 150

Site Details:

Site Name: TIPPECANOE SANITARY LANDFILL, INC.

Site Status: Final
Site Zip: 47905
Site City: LAFAYETTE

Site State: IN Federal Site: No

Site County: TIPPECANOE

EPA Region: 05
Date Proposed: 06/24/88
Date Deleted: Not reported
Date Finalized: 08/30/90

Substance Details:

NPL Status: Currently on the Final NPL

Substance ID: Not reported Substance: Not reported CAS #: Not reported Pathway: Not reported Scoring: Not reported

NPL Status: Currently on the Final NPL

Substance ID: A046

Substance: POLYCHLORINATED BIPHENYLS

CAS #: 1336-36-3

Pathway: GROUND WATER PATHWAY

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U019 Substance: BENZENE CAS #: 71-43-2

Pathway: GROUND WATER PATHWAY

Direction Distance Elevation

ion Site Database(s) EPA ID Number

TIPPECANOE SANITARY LANDFILL, INC. (Continued)

1000345823

EDR ID Number

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U043

Substance: VINYL CHLORIDE

CAS #: 75-01-4

Pathway: GROUND WATER PATHWAY

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U076

Substance: DICHLOROETHANE, 1,1-

CAS #: 75-34-3

Pathway: GROUND WATER PATHWAY

Scoring: 2

NPL Status: Currently on the Final NPL

Substance ID: U077

Substance: DICHLOROETHANE, 1,2-

CAS #: 107-06-2

Pathway: GROUND WATER PATHWAY

Scoring: 2

NPL Status: Currently on the Final NPL

Substance ID: U226

Substance: TRICHLOROETHANE, 1,1,1-

CAS #: 71-55-6

Pathway: GROUND WATER PATHWAY

Scoring: 2

Summary Details:

Conditions at proposal June 24, 1988): Tippecanoe Sanitary Landfill, Inc. TSL) operates a 51-acre landfill in Lafayette, Tippecanoe County, Indiana. In 1971, the company received a permit from the State to accept municipal waste. Open dumping had occurred for an unknown period prior to that date. In 1978, the State did not renew the site s operating permit because of shallow ground water and highly permeable subsurface materials at the site. A series of appeals followed, and the facility is currently operating without a permit. In 1979, ALCOA, Lafayette, Indiana, advised the State that its aluminum-lime sludge, which had been hauled to the site since 1973, had been found to contain significant levels of PCBs. Disposal of the sludge ceased, but considerable quantities had already been deposited at the site. In December 1983, the Indiana State Board of Health found that a nearby well contained PCBs and acetone, as well as lead and cadmium, at levels exceeding Federal primary drinking water standards. An estimated 81,000 people obtain drinking water from public and private wells within 3 miles of the site. In May 1987, the Indiana Department of Environmental Management IDEM) started litigation to permanently enjoin TSL from operating. Status August 30, 1990): A Consent Decree with IDEM dated November 29, 1988, required TSL to stop accepting solid wastes by October 1, 1989, remove all personnel and equipment by October 31, 1989, and place a cover of soil on filled areas. TSL filed a bankruptcy petition in February 1989. The landfill closed in September 1989. A TSL contractor started to cap the filled areas, but the capping is notyet complete. EPA issued special notice letters to 17 parties potentially responsible for wastes associated with the site, offering them the opportunity to conduct a remedial investigation/feasibility study RI/FS) to determine the type and extent of

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TIPPECANOE SANITARY LANDFILL, INC. (Continued)

1000345823

contamination at the site and identify alternatives for remedial action.

Following negotiation with EPA and IDEM, 10 of the parties signed a CERCLA Administrative Order on Consent, effective March 8, 1990, to conduct the RI/FS.

Not reported

Site Status Details:

Final NPL Status: 06/24/1988 Proposed Date: 08/30/1990 Final Date: Deleted Date: Not reported

Narratives Details:

TIPPECANOE SANITARY LANDFILL, INC. NPL Name:

City: **LAFAYETTE**

State: IN

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

US ENG CONTROLS:

EPA ID: IND980997639

Site ID: 0501964

Name: TIPPECANOE SANITARY LANDFILL, INC. Address: 2801 NORTH 9TH RD, 1/2 MI N OF US 52

LAFAYETTE, IN 47905

EPA Region: 05

County: **TIPPECANOE** Event Code: Not reported Actual Date: Not reported

Action ID:

Action Name: **Explanation Of Significant Differences**

Action Completion date: 09/27/2001 Planned Complet. date: 09/30/2001 Operable Unit: 01 Contaminated Media: Leachate Engineering Control: Disposal

Action ID: 001

Action Name: **Explanation Of Significant Differences**

Action Completion date: 09/27/2001 Planned Complet. date: 09/30/2001 Operable Unit: 01

Contaminated Media: Leachate Engineering Control: Pump And Treat

Action ID: 001

Explanation Of Significant Differences Action Name:

Action Completion date: 09/27/2001 Planned Complet. date: 09/30/2001 Operable Unit: 01 Contaminated Media: Leachate

Engineering Control: Treatment, (N.O.S.)

Action ID: 001

Direction Distance

Elevation Site Database(s) EPA ID Number

TIPPECANOE SANITARY LANDFILL, INC. (Continued)

1000345823

EDR ID Number

Action Name: RECORD OF DECISION

Action Completion date: 09/30/1997 Planned Complet. date: 09/30/1997 Operable Unit: 01 Contaminated Media: Leachate

Engineering Control: Treatment, (N.O.S.)

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/30/1997 Planned Complet. date: 09/30/1997

Operable Unit: 01
Contaminated Media: Solid Waste
Engineering Control: Cap

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/30/1997 Planned Complet. date: 09/30/1997 Operable Unit: 01

Contaminated Media: Solid Waste

Engineering Control: Gas Collection/Treatment

US INST CONTROL:

EPA ID: IND980997639 Site ID: 0501964

Name: TIPPECANOE SANITARY LANDFILL, INC.

Action Name: RECORD OF DECISION

Address: 2801 NORTH 9TH RD, 1/2 MI N OF US 52

LAFAYETTE, IN 47905

EPA Region: 05

County: TIPPECANOE Event Code: Not reported

Inst. Control: Access Restriction, Fencing

Actual Date: Not reported Complet. Date: 09/30/1997 Operable Unit: 01 Contaminated Media : Solid Waste

EPA ID: IND980997639 Site ID: 0501964

Name: TIPPECANOE SANITARY LANDFILL, INC.

Action Name: RECORD OF DECISION

Address: 2801 NORTH 9TH RD, 1/2 MI N OF US 52

LAFAYETTE, IN 47905

EPA Region: 05

County: TIPPECANOE
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: Not reported
Complet. Date: 09/30/1997
Operable Unit: 01

Operable Unit: 01
Contaminated Media: Solid Waste

Direction Distance

Elevation Site Database(s) EPA ID Number

2 CENTRAL IND GLASS & GLAZING UST U003094193
NE 2632 A N 9TH ST RD N/A

NE 2632 A N 9TH ST RD < 1/8 LAFAYETTE, IN 47904

0.083 mi. 436 ft.

Relative: UST:

 Higher
 Facility ID:
 11543

 Owner Id:
 7123

Actual: Company Name: Central Ind Glass And Glazing

565 ft. Mailing Address: Central Ind Glass And Glazing

Mailing Address 2: Not reported
Mailing City, St, Zip: Lafayette, IN 47904

Tank Number: 1

Install Date: Not reported

Tank Status: Permanently Out of Service

Substance Desc: Gasoline

A3 MLS LIQUIDATING TRUST FINDS 1004700571
SW 810 WIDEWATER DR MANIFEST INR000023002
<1/8 LAFAYETTE, IN 47904 RCRA-CESQG

0.108 mi.

570 ft. Site 1 of 2 in cluster A

Relative: FINDS:

Lower Other Pertinent Environmental Activity Identified at Site

Actual: RCRAInfo is a national information system that supports the Resource 550 ft. Conservation and Recovery Act (RCRA) program through the tracking of

events and activities related to facilities that generate, transport,

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under BCDA

corrective action activities required under RCRA.

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility

Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic

data exchange over the Network Node

IN MANIFEST:

EPA ID: INR000023002
Flag: HANDLER
Facility Addess 2: Not reported

Manifest Handler:

EPA Id #: INR000023002

Generator Type: CEG
Generator Status: Active
Transporter Type: Self
Transporter Status: Active

TSD Type: Interim or Enforcement TSD

TSD Status: Non Active

Handler Mailing Address: 711 E VERMONT ST Handler Mailing City: INDIANAPOLIS

Handler Mailing State: IN

Direction Distance

Elevation Site Database(s) EPA ID Number

MLS LIQUIDATING TRUST (Continued)

1004700571

EDR ID Number

Handler Mailing Zip: 46202
Contact Last Name: JESSEE
Contact First Name: STEVE
Contact Telephone: 317-581-0668

Contact Type: E

Receiver Records:

Report Year: Not reported TSD EPA Id: Not reported Page Number: Not reported Sub Page: Not reported Generator EPA ID: Not reported Waste Description: Not reported Quantity of Waste: Not reported Quantity Rec Report Yrly Tons: Not reported Unit of Measure: Not reported

Shipment Records:

Not reported Generator EPA Id: Actual Generator Type: Not reported Waste Description Shipped: Not reported Shipped File Page Number: Not reported Number Of TSD Facilities: Not reported Not reported Waste Codes on Page Number: Waste Code: Not reported Tons Of Waste Shipped Year: Not reported TSD Facility EPA ID: Not reported TSD Name: Not reported Facility Address 2: Not reported

Transporter Records:

Report Year:
Generator EPA ID:
Page Number of Report:
TSD EPA Id:
Num Of Tranporters Used:
Not reported
Num Of Tranporters Used:
Not reported
Not reported

EPA ID: INR000023002
Flag: HANDLER
Facility Addess 2: Not reported

EPA ID: INR000023002
Flag: HANDLER
Facility Addess 2: Not reported

RCRA-CESQG:

Date form received by agency: 08/16/2002

Facility name: MLS LIQUIDATING TRUST Facility address: 810 WIDEWATER DR

LAFAYETTE, IN 47904

EPA ID: INR000023002 Mailing address: 711 E VERMONT ST

INDIANAPOLIS, IN 46202

Contact: STEVE JESSEE

Direction Distance Elevation

evation Site Database(s) EPA ID Number

MLS LIQUIDATING TRUST (Continued)

1004700571

EDR ID Number

Contact address: 1010 E 86TH ST STE 46C

INDIANAPOLIS, IN 46240

Contact country: US

Contact telephone: (317) 581-0668 Contact email: Not reported

EPA Region: 05 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: MLS SHAREHOLDERS & LIQUIDATING TRUST

Owner/operator address: 711 E VERMONT ST

INDIANAPOLIS, IN 46202

Owner/operator country: Not reported
Owner/operator telephone: (317) 263-5260

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: No Transporter of hazardous waste: Yes Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Unknown Furnace exemption: Unknown Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: Nο

Off-site waste receiver: Commercial status unknown

No

Historical Generators:

Used oil transporter:

Date form received by agency: 05/16/2000

Facility name: MLS LIQUIDATING TRUST Classification: Large Quantity Generator

Direction Distance

Elevation Site Database(s) **EPA ID Number**

MLS LIQUIDATING TRUST (Continued)

1004700571

EDR ID Number

Hazardous Waste Summary:

Waste code: D039

Waste name: **TETRACHLOROETHYLENE**

Waste code: D040

TRICHLOROETHYLENE Waste name:

Facility Has Received Notices of Violations: Regulation violated: FR - 262.41

Area of violation: Generators - Records/Reporting

Date violation determined: 04/26/2002 Date achieved compliance: 08/15/2002 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/26/2002 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Not reported Final penalty amount: Paid penalty amount: Not reported

Regulation violated: FR - 262.41

Area of violation: Generators - Records/Reporting

Date violation determined: 04/26/2002 Date achieved compliance: 08/15/2002 Violation lead agency: State

PROPOSED AGREED ORDER (PAO) SENT Enforcement action:

07/22/2002 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 262.41

Area of violation: Generators - Records/Reporting

Date violation determined: 04/26/2002 08/15/2002 Date achieved compliance: State

Violation lead agency:

Enforcement action: WRITTEN INFORMAL 07/22/2002 Enforcement action date:

Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Not reported Paid penalty amount:

Evaluation Action Summary:

Evaluation date: 04/26/2002

NON-FINANCIAL RECORD REVIEW Evaluation: Area of violation: Generators - Records/Reporting

Date achieved compliance: 08/15/2002 Evaluation lead agency: State

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MLS LIQUIDATING TRUST (Continued)

1004700571

Evaluation date: 03/01/2001

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Not reported Area of violation: Date achieved compliance: Not reported Evaluation lead agency: State

LOT 9- WIDEWATER INDUSTRIAL PARK Α4

US BROWNFIELDS 1011812994

N/A

SW **801 WIDEWATER DRIVE** < 1/8 LAFAYETTE, IN 47904

0.114 mi.

600 ft. Site 2 of 2 in cluster A

Relative: Lower

Actual:

549 ft.

US BROWNFIELDS:

Recipient name: **Tippecanoe County**

Project name: Tippecanoe County, IN (A04) Property name: Lot 9- Widewater Industrial Park

158-17200-0371 Parcel #: Parcel size: 0.56000 Latitude: 40.44335 Longitude: 86.88431 Region: 5

HCM label: Interpolation-Map Map scale: Not reported

Center of a Facility or Station Point of reference: Datum: World Geodetic System of 1984

ACRES property ID: 78201 8/21/2007 Start date: Completed date: 12/27/2007

Accomplishment type: Phase I Environmental Assessment

Not reported

0.00000 Accomplishment (acres): Ownership entity: Private Current use: Not reported

Current owner: Widewater Industrial Park

Past use flag: Yes

Future use flag: Not reported

Cleanup required: No

Proprietary controls: Not reported Gov. control: Not reported Not reported Enforcement permit tools: Info. devices: Not reported Video available: No

Photo available: Yes Usage type: Industrial Not in state/tribal program: Yes IC data address: Not reported IC in place date: Not reported

IC required flag: No

IC in place flag:

NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Air contaminated: Not reported Not reported Air cleaned: Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LOT 9- WIDEWATER INDUSTRIAL PARK (Continued)

1011812994

Groundwater affected: Not reported Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: None found: Not reported None cleaned up: Not reported No media found: Yes No media cleaned up: Not reported Other found:

Not reported Other cleaned up: Not reported Not reported Other metals found: Not reported Other metals cleaned: PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Not reported Petro products found: Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Not reported Surface water affected: Surface water cleaned: Not reported Unknown found: Yes

Unknwon cleaned: Not reported Unknown media: Not reported Unknown media cleaned: Not reported

VOCs found: Not reported VOCs cleaned: Not reported

Property Description: The property consists of a one-story metal strand building constructed

on a concrete slab and containing approximately 20,000 square feet.

B5 PICKERING PROPERTY CERC-NFRAP SSW 2453 NORTH 9TH STREET LAFAYETTE, IN 47902

< 1/8 0.114 mi.

603 ft. Site 1 of 3 in cluster B

Relative:

CERC-NFRAP:

Lower

Site ID: 0506458

Federal Facility: Not a Federal Facility Actual: NPL Status: Not on the NPL 546 ft. Non NPL Status: **NFRAP**

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

DISCOVERY Action: Date Started: Not reported Date Completed: 01/29/1991 Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported Date Completed: 07/24/1996

Priority Level: NFRAP (No Futher Remedial Action Planned 1003873001

IND984894782

Direction Distance

Elevation Site Database(s) EPA ID Number

PICKERING PROPERTY (Continued)

1003873001

EDR ID Number

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 07/24/1996
Priority Level: Not reported

Action: INTEGRATED ASSESSMENT

Date Started: 07/24/1996 Date Completed: 07/24/1996

Priority Level: NFRAP (No Futher Remedial Action Planned

B6 MECHANIC'S LAUNDRY VCP 1004486448
SSW 2438 N. 9TH ST. N/A

SSW 2438 N. 9TH ST. 1/8-1/4 LAFAYETTE, IN

0.136 mi.

716 ft. Site 2 of 3 in cluster B

Relative: IN VCP:

Lower Status: Active

Project Manager: Anderson
Actual: VRP Id Number: 6980705

550 ft. Applicant Name: MLS Shareholders Liquidating Trust

LandUse Restrictions/Institutional Controls: Not reported

-

 B7
 HUDLOWS INC
 FINDS
 1000464105

 SSW
 2438 N 9TH ST
 MANIFEST
 IND016478844

1/8-1/4 LAFAYETTE, IN 47904 RCRA-NonGen

0.136 mi.

716 ft. Site 3 of 3 in cluster B

Relative: FINDS:

Lower Other Pertinent Environmental Activity Identified at Site

Actual: RCRAInfo is a national information system that supports the Resource 550 ft. Conservation and Recovery Act (RCRA) program through the tracking of

events and activities related to facilities that generate, transport,

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility

Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic

data exchange over the Network Node

IN MANIFEST:

EPA ID: IND016478844
Flag: HANDLER
Facility Addess 2: Not reported

Manifest Handler:

EPA Id #: IND016478844
Generator Type: Not reported

Direction Distance Elevation

evation Site Database(s) EPA ID Number

HUDLOWS INC (Continued)

1000464105

EDR ID Number

Generator Status: Non Active
Transporter Type: Not reported
Transporter Status: Non Active

TSD Type: Interim or Enforcement TSD

TSD Status: Non Active
Handler Mailing Address: 2438 N 9TH ST
Handler Mailing City: LAFAYETTE

Handler Mailing State: IN
Handler Mailing Zip: 47904
Contact Last Name: WEIDNER
Contact First Name: BRIAN
Contact Telephone: 765-742-7397

Contact Type:

Receiver Records:

Report Year: Not reported TSD EPA Id: Not reported Page Number: Not reported Sub Page: Not reported Generator EPA ID: Not reported Waste Description: Not reported Quantity of Waste: Not reported Quantity Rec Report Yrly Tons: Not reported Unit of Measure: Not reported

Shipment Records:

Generator EPA Id: Not reported Actual Generator Type: Not reported Waste Description Shipped: Not reported Shipped File Page Number: Not reported Number Of TSD Facilities: Not reported Waste Codes on Page Number: Not reported Waste Code: Not reported Tons Of Waste Shipped Year: Not reported TSD Facility EPA ID: Not reported TSD Name: Not reported Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported
Generator EPA ID: Not reported
Page Number of Report: Not reported
TSD EPA Id: Not reported
Num Of Tranporters Used: Not reported

EPA ID: IND016478844
Flag: HANDLER
Facility Addess 2: Not reported

EPA ID: IND016478844
Flag: HANDLER
Facility Addess 2: Not reported

RCRA-NonGen:

Direction Distance

Elevation Site Database(s) EPA ID Number

HUDLOWS INC (Continued) 1000464105

Date form received by agency: 06/10/2004
Facility name: HUDLOWS INC
Facility address: 2438 N NINTH ST

LAFAYETTE, IN 47904

EPA ID: IND016478844

Contact: DOUG HUDLOW

Contact address: 2438 N NINTH ST

LAFAYETTE, IN 47904

Contact country: US

Contact telephone: (317) 742-7397 Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: HUDLOWS INC

Owner/operator address: ADDRESS NOT REPORTED

CITY NOT REPORTED, AK 99998

Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HUDLOWS INC

Owner/operator address: ADDRESS NOT REPORTED

CITY NOT REPORTED, AK 99998

Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:

Not reported
Not reported
Not reported
Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED

CITY NOT REPORTED, AK 99998

Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Operator

Owner/Operator Type: Operator
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Site Database(s) EPA ID Number

HUDLOWS INC (Continued) 1000464105

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Unknown Furnace exemption: Unknown Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No

Off-site waste receiver: Commercial status unknown

No

Historical Generators:

Used oil transporter:

Date form received by agency: 08/08/1986
Facility name: HUDLOWS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING,

BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C8 **LOT 1- WIDEWATER INDUSTRIAL PARK US BROWNFIELDS** 1011812981 N/A

WSW 722 WIDEWATER DRIVE 1/8-1/4 LAFAYETTE, IN 47904

0.146 mi.

772 ft. Site 1 of 6 in cluster C

Relative: Lower

Actual:

551 ft.

US BROWNFIELDS:

Recipient name: **Tippecanoe County**

Project name: Tippecanoe County, IN (A04) Lot 1- Widewater Industrial Park Property name:

Parcel #: 158-17200-0327 Parcel size: 0.45000 40.44410 Latitude: 86.88469 Longitude:

Region:

HCM label: Interpolation-Map Map scale: Not reported

Point of reference: Center of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 78081 Start date: 8/21/2007 Completed date: 12/27/2007

Accomplishment type: Phase I Environmental Assessment

0.00000 Accomplishment (acres): Ownership entity: Private Current use: Not reported

Current owner: Smith Brothers Rental

Past use flag: Yes

Not reported Future use flag:

Cleanup required: No

Proprietary controls: Not reported Not reported Gov. control: Not reported Enforcement permit tools: Info. devices: Not reported

Video available: No Photo available: Yes Industrial Usage type: Not in state/tribal program: Yes

Not reported IC data address: IC in place date: Not reported IC in place flag: Not reported

IC required flag: No

NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported None found: Not reported None cleaned up: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LOT 1- WIDEWATER INDUSTRIAL PARK (Continued)

1011812981

No media found: Yes

No media cleaned up: Not reported Not reported Other found: Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Not reported Petro products found: Not reported Petro products cleaned: Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Not reported Surface water affected: Surface water cleaned: Not reported Unknown found: Yes Unknwon cleaned: Not reported

Not reported Unknown media: Unknown media cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported

Property Description: Smith Brother's Rental is predominantly used for the storage of

vehicles and windshields associated with the adjacent Magic Glass,

Inc. (Magic Glass) business.

D9 **ED GRACE COMPANY INC** UST 1000513957 ΝE N 9TH ST RD PO BOX N/A

1/8-1/4 0.147 mi.

LAFAYETTE, IN 47905

Site 1 of 2 in cluster D 776 ft.

Relative:

UST:

Facility ID: 17585 Lower Owner Id: 9981

Actual: 556 ft.

Company Name: Ed Grace Company Inc

Mailing Address: Po Box 1287 Mailing Address 2: Not reported

Mailing City, St, Zip: Ft Wayne, IN 468011287

Tank Number:

Install Date: Not reported

Permanently Out of Service Tank Status:

Substance Desc: Unknown

Tank Number:

Install Date: Not reported

Tank Status: **Permanently Out of Service**

Substance Desc: Gasoline

Tank Number:

Install Date: Not reported

Tank Status: **Permanently Out of Service**

Substance Desc: Gasoline

Direction Distance

Elevation Site Database(s) **EPA ID Number**

D10 **HUDLOWS** FINDS 1000464736 NE 2610 N 9TH ST MANIFEST IND984891416 RCRA-NonGen

1/8-1/4 LAFAYETTE, IN 47904

0.148 mi.

783 ft. Site 2 of 2 in cluster D

FINDS: Relative:

Lower Other Pertinent Environmental Activity Identified at Site

Actual: 558 ft.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node

IN MANIFEST:

IND984891416 EPA ID: Flag: **HANDLER** Facility Addess 2: Not reported

Manifest Handler:

IND984891416 EPA Id #: Not reported Generator Type: Generator Status: Non Active Transporter Type: Not reported Transporter Status: Non Active

TSD Type: Interim or Enforcement TSD

TSD Status: Non Active Handler Mailing Address: 2610 N 9TH ST Handler Mailing City: LAFAYETTE

Handler Mailing State: IN 47904 Handler Mailing Zip: Contact Last Name: **HABBEN KENNY** Contact First Name: Contact Telephone: 765-429-5317

Contact Type:

Receiver Records:

Report Year: Not reported TSD EPA Id: Not reported Not reported Page Number: Sub Page: Not reported Generator EPA ID: Not reported Waste Description: Not reported Quantity of Waste: Not reported Quantity Rec Report Yrly Tons: Not reported Unit of Measure: Not reported

Direction Distance Elevation

ion Site Database(s) EPA ID Number

HUDLOWS (Continued) 1000464736

Shipment Records:

Generator EPA Id: Not reported Actual Generator Type: Not reported Waste Description Shipped: Not reported Shipped File Page Number: Not reported Not reported Number Of TSD Facilities: Not reported Waste Codes on Page Number: Waste Code: Not reported Tons Of Waste Shipped Year: Not reported TSD Facility EPA ID: Not reported TSD Name: Not reported Facility Address 2: Not reported

Transporter Records:

Report Year:
Generator EPA ID:
Page Number of Report:
TSD EPA Id:
Not reported

EPA ID: IND984891416
Flag: HANDLER
Facility Addess 2: Not reported

EPA ID: IND984891416
Flag: HANDLER
Facility Addess 2: Not reported

RCRA-NonGen:

Date form received by agency: 08/08/2000
Facility name: HUDLOWS
Facility address: 2610 N 9TH ST

LAFAYETTE, IN 47904

EPA ID: IND984891416
Contact: KENNY HABBEN
Contact address: 2610 N 9TH ST

LAFAYETTE, IN 47904

Contact country: US

Contact telephone: (317) 429-5317 Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: HABBEN CRARY SENSE PARTNERSHIP

Owner/operator address: Not reported Not reported Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private

Commer/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

HUDLOWS (Continued) 1000464736

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Unknown Furnace exemption: Unknown Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No

Off-site waste receiver: Commercial status unknown

No

Hazardous Waste Summary:

Used oil transporter:

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

US BROWNFIELDS

SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Tippecanoe County

LOT 2- WIDEWATER INDUSTRIAL PARK wsw **712 WIDEWATER DRIVE**

1/8-1/4 LAFAYETTE, IN 47904 0.151 mi.

Site 2 of 6 in cluster C 795 ft.

Relative: Lower

C11

US BROWNFIELDS:

Recipient name:

Project name: Tippecanoe County, IN (A04) Property name: Lot 2- Widewater Industrial Park

Actual: 551 ft. Parcel #: 158-17200-0338

Parcel size: 0.56000 40.44409 Latitude: Longitude: 86.88535 Region: 5

HCM label: Interpolation-Map Map scale: Not reported

Point of reference: Center of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 78101 8/21/2007 Start date: Completed date: 12/27/2007

Accomplishment type: Phase I Environmental Assessment

Accomplishment (acres): 0.00000 Ownership entity: Private Not reported Current use:

1011812985

N/A

Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

LOT 2- WIDEWATER INDUSTRIAL PARK (Continued)

1011812985

EDR ID Number

Current owner: Smith Bros. Partnership

Past use flag: Yes

Future use flag: Not reported

Cleanup required: No

Proprietary controls: Not reported Gov. control: Not reported Enforcement permit tools: Not reported Info. devices: Not reported

Video available: No Photo available: Yes Usage type: Industrial Not in state/tribal program: Yes

IC data address: Not reported IC in place date: Not reported IC in place flag: Not reported

IC required flag: No

NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported None found: Not reported Not reported None cleaned up:

Not reported Not reported Other found: Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported PAHs found: Not reported Not reported PAHs cleaned up: PCBs found: Not reported PCBs cleaned up: Not reported Not reported Petro products found: Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported

Yes

No media found:

No media cleaned up:

Soil cleaned up: Not reported Not reported Surface water affected: Surface water cleaned: Not reported

Unknown found: Yes Unknwon cleaned: Not reported

Not reported Unknown media: Unknown media cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LOT 2- WIDEWATER INDUSTRIAL PARK (Continued)

1011812985

Property Description: Magic Glass, Inc. (Magic Glass) repairs and installs automobile,

construction and agricultural vehicle windshields.

C12 **LOT 7- WIDEWATER INDUSTRIAL PARK** **US BROWNFIELDS** 1011812992

N/A

WSW 711 WIDEWATER DRIVE LAFAYETTE, IN 47904 1/8-1/4

0.151 mi.

800 ft. Site 3 of 6 in cluster C

US BROWNFIELDS: Relative:

Recipient name: **Tippecanoe County** Lower

Tippecanoe County, IN (A04) Project name: Actual: Lot 7- Widewater Industrial Park Property name: 551 ft.

Parcel #: 158-17200-0360 0.54000 Parcel size:

40.44341 Latitude: Longitude: 86.88556

Region:

HCM label: Interpolation-Map Map scale: Not reported

Center of a Facility or Station Point of reference: Datum: World Geodetic System of 1984

ACRES property ID: 78181 Start date: 8/21/2007 12/27/2007 Completed date:

Phase I Environmental Assessment Accomplishment type:

Accomplishment (acres): 0.00000 Ownership entity: Private Current use: Not reported

Smith Bros Partnership Current owner:

Past use flag: Yes

Future use flag: Not reported

Cleanup required: No

Proprietary controls: Not reported Not reported Gov. control: Enforcement permit tools: Not reported Not reported Info. devices:

Video available: No Photo available: Yes Industrial Usage type: Not in state/tribal program: Yes

IC data address: Not reported IC in place date: Not reported IC in place flag: Not reported

IC required flag: No

NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Not reported Groundwater cleaned: Lead contaminant found: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LOT 7- WIDEWATER INDUSTRIAL PARK (Continued)

1011812992

Lead cleaned up: Not reported Not reported None found: None cleaned up: Not reported No media found: Yes

No media cleaned up: Not reported Other found: Not reported Not reported Other cleaned up: Other metals found: Not reported Not reported Other metals cleaned: PAHs found: Not reported Not reported PAHs cleaned up: PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Not reported Sediments cleaned: Soil affected: Not reported Soil cleaned up: Not reported Surface water affected: Not reported Surface water cleaned: Not reported Unknown found: Yes Not reported Not reported

Unknwon cleaned: Unknown media: Unknown media cleaned: Not reported

VOCs found: Not reported VOCs cleaned: Not reported

Property Description: The Property consists of one-story steel building on a concrete slab

that was constructed during the time period of the late 1980s to early

1990s.

C13 **LOT 3- WIDEWATER INDUSTRIAL PARK** **US BROWNFIELDS** 1011812987

N/A

1/8-1/4 0.153 mi.

WSW

LAFAYETTE, IN 47904

706 WIDEWATER DRIVE

810 ft.

Site 4 of 6 in cluster C

Relative:

551 ft.

US BROWNFIELDS:

Lower Actual: Recipient name: **Tippecanoe County**

Project name: Tippecanoe County, IN (A04) Property name: Lot 3- Widewater Industrial Park

Parcel #: 158-172000-151 Parcel size: 0.74000 40.44402 Latitude: 86.88602 Longitude: Region: 5

Interpolation-Map HCM label: Map scale: Not reported

Point of reference: Center of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 78121 Start date: 8/21/2007 12/27/2007 Completed date:

Accomplishment type: Phase I Environmental Assessment

Accomplishment (acres): 0.00000 Ownership entity: Private Current use: Not reported

Current owner: Widewater Industrial Park

Distance

Elevation Site Database(s) EPA ID Number

LOT 3- WIDEWATER INDUSTRIAL PARK (Continued)

1011812987

EDR ID Number

Past use flag: Yes

Future use flag: Not reported

Cleanup required: No

Proprietary controls: Not reported Gov. control: Not reported Enforcement permit tools: Not reported Info. devices: Not reported

Video available:

Photo available:

Usage type:

No in state/tribal program:

Ves

IC data address: Not reported IC in place date: Not reported IC in place flag: Not reported

IC required flag: No

NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Not reported Lead cleaned up: None found: Not reported None cleaned up: Not reported No media found:

Yes No media cleaned up: Not reported Not reported Other found: Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water affected: Not reported Not reported Surface water cleaned: Unknown found: Yes Unknwon cleaned: Not reported

Not reported

Not reported

Not reported

Not reported

Unknown media:

VOCs found:

VOCs cleaned:

Unknown media cleaned:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LOT 3- WIDEWATER INDUSTRIAL PARK (Continued)

1011812987

Property Description: The west side of the property is Holmes Heating & Cooling Co. an

apartment occupies the east side and Holmestyle Grill occupies the

northwest addition.

C14 **LOT 6- WIDEWATER INDUSTRIAL PARK** wsw

US BROWNFIELDS 1011812991

N/A

707 WIDEWATER DRIVE 1/8-1/4 LAFAYETTE, IN 47904

0.153 mi.

810 ft. Site 5 of 6 in cluster C

Relative: Lower

Actual:

551 ft.

US BROWNFIELDS:

Recipient name: **Tippecanoe County**

Project name: Tippecanoe County, IN (A04) Property name: Lot 6- Widewater Industrial Park

148-17200-0349 Parcel #: 0.43000 Parcel size: Latitude: 40.44337

Longitude: 86.88612 Region:

HCM label: Interpolation-Map Map scale: Not reported

Point of reference: Center of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 78161 8/21/2007 Start date: Completed date: 12/27/2007

Accomplishment type: Phase I Environmental Assessment

Accomplishment (acres): 0.00000 Ownership entity: Private Current use: Not reported

Widewater Industrial Park Current owner:

Past use flag: Yes

Future use flag: Not reported

Cleanup required: No

Proprietary controls: Not reported Gov. control: Not reported Enforcement permit tools: Not reported Info. devices: Not reported

Video available: No Photo available: Yes Usage type: Industrial Not in state/tribal program: Yes

IC data address: Not reported IC in place date: Not reported Not reported IC in place flag:

IC required flag: No

NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Not reported Groundwater affected: Groundwater cleaned: Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

LOT 6- WIDEWATER INDUSTRIAL PARK (Continued)

1011812991

EDR ID Number

Lead contaminant found: Not reported Not reported Lead cleaned up: Not reported None found: Not reported None cleaned up: No media found: Yes

No media cleaned up: Not reported Not reported Other found: Other cleaned up: Not reported Not reported Other metals found: Other metals cleaned: Not reported Not reported PAHs found: Not reported PAHs cleaned up: PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Not reported Sediments found: Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water affected: Not reported Surface water cleaned: Not reported Unknown found: Yes Unknwon cleaned: Not reported

Unknown media: Not reported Not reported Unknown media cleaned: VOCs found: Not reported VOCs cleaned: Not reported

Property Description: The property consists of one, two-story steel strand building om a

concrete slab that was constructed in the late 1970s.

C15 **LOT 5- WIDEWATER INDUSTRIAL PARK**

703 WIDEWATER DRIVE LAFAYETTE, IN 47904

1/8-1/4 0.155 mi.

WSW

821 ft. Site 6 of 6 in cluster C

Relative:

US BROWNFIELDS:

Lower Actual:

551 ft.

Recipient name: **Tippecanoe County**

Project name: Tippecanoe County, IN (A04) Property name: Lot 5- Widewater Industrial Park

Parcel #: 158-17200-0151 Parcel size: 0.43000 40.44346 Latitude: Longitude: 86.88613 Region:

Interpolation-Map HCM label: Map scale: Not reported

Point of reference: Center of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 78142 Start date: 8/21/2007 12/27/2007 Completed date:

Accomplishment type: Phase I Environmental Assessment

Accomplishment (acres): 0.00000 Ownership entity: Private Current use: Not reported

Current owner: Widewater Industrial Park 1011812990

N/A

US BROWNFIELDS

Distance Elevation

Site Database(s) EPA ID Number

LOT 5- WIDEWATER INDUSTRIAL PARK (Continued)

1011812990

EDR ID Number

Past use flag: Yes

Future use flag: Not reported

Cleanup required: No

Proprietary controls: Not reported Gov. control: Not reported Enforcement permit tools: Not reported Info. devices: Not reported

Video available: No
Photo available: Yes
Usage type: Industrial
Not in state/tribal program: Yes

IC data address: Not reported IC in place date: Not reported IC in place flag: Not reported

IC required flag: No

NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Not reported Lead cleaned up: None found: Not reported None cleaned up: Not reported

No media found: Yes

No media cleaned up: Not reported Not reported Other found: Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water affected: Not reported Not reported Surface water cleaned: Unknown found: Yes Unknwon cleaned: Not reported

Not reported

Not reported

Not reported

Not reported

Unknown media:

VOCs found:

VOCs cleaned:

Unknown media cleaned:

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LOT 5- WIDEWATER INDUSTRIAL PARK (Continued)

1011812990

Property Description: The Property consists of one, two-story steel strand building on a

concrete slab that was constructed in the mid 1960s to early 1970s.

TIPPECANOE COUNTY SHERIFF 16

UST U004051516 N/A

2640 DUNCAN RD NE 1/8-1/4 LAFAYETTE, IN 47905

0.157 mi. 829 ft.

UST: Relative:

24898 Facility ID: Higher Owner Id: 8686

Actual: Company Name: Tippecanoe County Sherrif 564 ft.

Mailing Address: 2640 Duncan Rd Mailing Address 2: Not reported Mailing City, St, Zip: Lafayette, IN 47905

Tank Number:

Install Date: 1/1/1989 0:00:00 Tank Status: Currently in use

Substance Desc: Gasoline

Tank Number: 2

Install Date: 1/1/1991 0:00:00 Tank Status: Currently in use

Substance Desc: Diesel

17 **OSCAR WINSKI CO** LUST U000189149 SSW 2407 CANAL RD **UST** N/A

1/8-1/4 0.184 mi. 970 ft.

LUST: Relative:

Facility ID: 7523 Lower Incident Number: 199810561

LAFAYETTE, IN 47905

Actual: Affected Area: Wellhead Protection Area

548 ft. Description: Active Priority: Low

> 7523 Facility ID: Incident Number: 199810561 Affected Area: Soil Description: Active Priority: Low

UST:

Facility ID: 7523 Owner Id: 7633

Company Name: Oscar Winski Co Inc Mailing Address: Po Box 4337 Mailing Address 2: Not reported

Mailing City, St, Zip: Lafayette, IN 479034337

Tank Number:

Install Date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

OSCAR WINSKI CO (Continued)

U000189149

S103805857

N/A

SWF/LF

SPILLS

EDR ID Number

Tank Status: Permanently Out of Service

Substance Desc: Gasoline

Tank Number: 2

Install Date: 1/1/2001 0:00:00

Tank Status: Permanently Out of Service

Substance Desc: Diesel

Tank Number: 3

Install Date: 1/1/2001 0:00:00

Tank Status: Permanently Out of Service

Substance Desc: Used Oil

Tank Number:

Install Date: 1/1/2001 0:00:00

Tank Status: Permanently Out of Service

Substance Desc: Used Oil

18 TIPPECANOE COUNTY TRANSFER AND RECYCLING STATION

2770 N 9TH ST LAFAYETTE, IN 47902

1/4-1/2 LAFAYETTE, IN 0.337 mi.

0.337 mi. 1779 ft.

ΝE

Relative: LF:

Lower Facility ID: Not reported

Contact: DAVE RUPPERT Actual: Operating Num: 79-03

555 ft. Date Closed: Not reported Responsible Party: JIM SUTER

Responsible Party: JIM SUTER
RP Phone: 7654744432
RP Address: PO BOX 1457

RP City,St,Zip: LAFAYETTE, IN 47902

Contact Phone: 7657427131

Owner Name: SOUTH SIDE LANDFILL, INC. Facility Type: TRANSFER STATION

Permanent Expiration: 6/15/2011

Open To Public: Y
Owner Type: P

SPILL:

Facility ID: 199811137

Incident Date: 11/20/1998 10:30:00 Report Date: 11/20/1998 12:50:00

Material: Diesel Fuel Spill Source: Commercial

Recovered Amount: 30
Recovered Units: Gallons
Spilled Amount: 30
Spilled Units: Gallons
Contained: Y

Water Affected: Possibly Sanitary Sewer

Spill Type: Spill

Area Affected: 625 Sq Ft On Concrete

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

TIPPECANOE COUNTY TRANSFER AND RECYCLING STATION (Continued)

S103805857

Fish Killed: 0 Wtr Supply Affctd: No

Public Intake: Not reported

CSX BIDS TERMINAL 19 **FINDS** 1000134458 ΝE 2934 SAGAMORE PKWY N LUST IND984868869

LAFAYETTE, IN 47902 1/4-1/2 **UST** 0.403 mi. **MANIFEST RCRA-CESQG** 2127 ft.

FINDS: Relative:

Other Pertinent Environmental Activity Identified at Site Lower

Actual: ICIS (Integrated Compliance Information System) is the Integrated 528 ft. Compliance Information System and provides a database that, when

> complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include:

> IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic

Incident Tracking, Compliance Assistance, and Compliance Monitoring.

data exchange over the Network Node

LUST:

Facility ID: 9122 Incident Number: 199305536 Affected Area: Soil

NFA-UST Branch Guidance Manual Description:

Priority:

UST:

Facility ID: 9122 Owner Id: 346

Company Name: **CSX Transportation Inc**

Mailing Address: 500 Water St Mailing Address 2: Not reported

Mailing City, St, Zip: Jacksonville, FL 322024402

Tank Number:

Install Date: Not reported

Tank Status: **Permanently Out of Service**

Substance Desc: Other

Direction Distance

Elevation Site Database(s) EPA ID Number

CSX BIDS TERMINAL (Continued)

1000134458

EDR ID Number

Tank Number: 2

Install Date: Not reported

Tank Status: Permanently Out of Service

Substance Desc: Other

IN MANIFEST:

EPA ID: IND984868869
Flag: HANDLER
Facility Addess 2: Not reported

Manifest Handler:

EPA Id #: IND984868869

Generator Type: CEG
Generator Status: Active
Transporter Type: Not reported
Transporter Status: Non Active

TSD Type: Interim or Enforcement TSD

TSD Status: Non Active
Handler Mailing Address: 500 WATER ST
Handler Mailing City: JACKSONVILLE

Handler Mailing State: FL
Handler Mailing Zip: 32202
Contact Last Name: BELLAMY
Contact First Name: TONY C
Contact Telephone: 904-359-3691

Contact Type: B

Receiver Records:

 Report Year:
 2006.00000

 TSD EPA Id:
 IND093219012

 Page Number:
 1522.00000

 Sub Page:
 1.00000

 Generator EPA ID:
 IND984868869

Waste Description: WASTE BATTERY ACID POWDER FROM CLEANUP OF RAILWAY MECHANICAL CAR SHOP

Quantity of Waste: 21
Quantity Rec Report Yrly Tons: 0.0105
Unit of Measure: 1

 Report Year:
 2006.00000

 TSD EPA Id:
 IND093219012

 Page Number:
 1522.00000

 Sub Page:
 2.00000

 Generator EPA ID:
 IND984868869

Waste Description: GREASE FROM CLEANUP OF RAILWAY MECHANICAL CAR SHOP

Quantity of Waste: 160
Quantity Rec Report Yrly Tons: 0.08
Unit of Measure: 1

Shipment Records:

Generator EPA Id:
Actual Generator Type:
Waste Description Shipped:
Shipped File Page Number:
Not reported
Number Of TSD Facilities:
Waste Codes on Page Number:
Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CSX BIDS TERMINAL (Continued)

1000134458

EDR ID Number

Tons Of Waste Shipped Year: Not reported Not reported TSD Facility EPA ID: Not reported TSD Name: Facility Address 2: Not reported

Transporter Records:

Report Year: Not reported Generator EPA ID: Not reported Page Number of Report: Not reported TSD EPA Id: Not reported Num Of Tranporters Used: Not reported

EPA ID: IND984868869 **HANDLER** Flag: Facility Addess 2: Not reported

EPA ID: IND984868869 **HANDLER** Flag: Facility Addess 2: Not reported

RCRA-CESQG:

Date form received by agency: 03/01/2007

Facility name: **CSX TRANSPORTATION** Facility address: 1750 MONON AVE LAFAYETTE, IN 47904

EPA ID: IND984868869 Mailing address: 500 WATER ST

J-275

JACKSONVILLE, FL 32202

Contact: TONY C BELLAMY Contact address: 500 WATER ST J-275 JACKSONVILLE, FL 32202

US

Contact country: (904) 359-3691 Contact telephone:

Contact email: TONY_BELLAMY@CSX.COM

EPA Region: 05 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

> or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less

of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

NAME NOT REPORTED Owner/operator name:

Direction Distance

Elevation Site Database(s) EPA ID Number

CSX BIDS TERMINAL (Continued)

1000134458

EDR ID Number

Owner/operator address: ADDRESS NOT REPORTED

CITY NOT REPORTED, AK 99998

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator

Owner/Operator Type: Operator
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: CSX TRANSPORTATION INC

Owner/operator address: 500 WATER ST J-275

JACKSONVILLE, FL 32202

Owner/operator country: US

Owner/operator telephone: (904) 359-3691
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Nο Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 02/28/2005

Facility name: CSX TRANSPORTATION

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 08/22/1997

Facility name: CSX TRANSPORTATION

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/13/1992

Facility name: CSX TRANSPORTATION
Site name: CSX TRANSPORTATION, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990

Facility name: CSX TRANSPORTATION

Site name: CSX TRANSPORTATION LAFAYETTE

Classification: Large Quantity Generator

Direction Distance Elevation

ation Site Database(s) EPA ID Number

CSX BIDS TERMINAL (Continued)

1000134458

EDR ID Number

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - Records/Reporting

Date violation determined: 03/10/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/30/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 03/10/1994
Date achieved compliance: 12/13/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 03/10/1994
Date achieved compliance: 12/13/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/10/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 03/10/1994

Direction Distance Elevation

ce EDR ID Number ion Site Database(s) EPA ID Number

CSX BIDS TERMINAL (Continued)

1000134458

Date achieved compliance: 12/12/1994 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/30/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - Manifest

Date violation determined: 03/10/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/30/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/10/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/30/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 03/10/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 12/12/1994 Evaluation lead agency: State

Evaluation date: 03/10/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Records/Reporting

Date achieved compliance: 12/12/1994 Evaluation lead agency: State

Evaluation date: 03/10/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Manifest

Date achieved compliance: 12/12/1994 Evaluation lead agency: State

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CSX BIDS TERMINAL (Continued)

1000134458

Evaluation date: 03/10/1994

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

LDR - General Area of violation: Date achieved compliance: 12/12/1994 Evaluation lead agency: State

Evaluation date: 03/10/1994

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Generators - General

Date achieved compliance: 12/13/1994 Evaluation lead agency: State

20 **MARSH VILLAGE PANTRY 502** LUST 1000757407 1901 SCHUYLER AVE SE **UST** N/A **AIRS**

1/4-1/2 0.416 mi. 2194 ft.

LUST: Relative:

Higher Facility ID:

Incident Number: 199610524 Soil

Actual: Affected Area: 583 ft.

LAFAYETTE, IN 47904

Description: NFA-UST Branch Guidance Manual

Priority: High

Facility ID: 7035 Incident Number: 199610524

Affected Area: Methyl-tertiary-butyl-ether

7035

Description: NFA-UST Branch Guidance Manual

Priority: High

Facility ID: 7035 Incident Number: 199610524 Affected Area: Groundwater

NFA-UST Branch Guidance Manual Description:

Priority: High

Facility ID: 7035 Incident Number: 199610524 Affected Area: Free Product

NFA-UST Branch Guidance Manual Description:

Priority: High

UST:

Facility ID: 7035 Owner Id: 13530

Village Pantry LLC Company Name: Mailing Address: PO Box 50469 Mailing Address 2: Not reported

Mailing City, St, Zip: Indianapolis, IN 46250

Tank Number:

Install Date: 8/1/1976 0:00:00

Tank Status: **Permanently Out of Service**

Substance Desc: Gasoline

Tank Number: 2

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MARSH VILLAGE PANTRY 502 (Continued)

1000757407

Install Date: 8/1/1976 0:00:00

Tank Status: Permanently Out of Service

Gasoline Substance Desc:

Tank Number:

Install Date: 8/1/1976 0:00:00

Tank Status: **Permanently Out of Service**

Substance Desc: Gasoline

IN AIRS:

Status: Operating Link ID: 15700085 00085 Source ID: County FIPS: 157 Responsible Official Name: Not reported

Responsible Official Phone: Not reported Mailing Street: 1901 Schuyler Ave Mailing City, St, Zip: Lafayette, IN 479041147

SIC Code: 554 Permit ID: 8720 Permit Level: Construction Subtype Qualifier: Registration 09/19/1997 Issue Date: MAX of Year: Not reported County FIPS: Not reported Individual Plant ID: Not reported Latitude: Not reported Longitude: Not reported SIC Primary: Not reported NAICS Primary: Not reported CO: Not reported NOX: Not reported PM10: Not reported SO2: Not reported VOC: Not reported

LANDIS & GYR FINDS 1000189594 RCRA-LQG IND005105408

NW 3601 SAGAMORE PKY N 1/2-1 LAFAYETTE, IN 47904

RCRA-TSDF 0.560 mi. **CORRACTS** 2955 ft. **CERC-NFRAP MANIFEST** Relative: **MANIFEST** Lower

FINDS:

21

Actual: Other Pertinent Environmental Activity Identified at Site 532 ft.

Not reported

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions,

and settlements.

Map ID MAP FINDINGS Direction

Distance **EDR ID Number** Elevation **EPA ID Number** Site Database(s)

LANDIS & GYR (Continued)

1000189594

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

RCRA-LQG:

Contact country:

Contact telephone:

Date form received by agency: 02/24/2006

Facility name: LANDIS & GYR INC

Facility address: 3601 SAGAMORE PKWY N

LAFAYETTE, IN 47904

EPA ID: IND005105408 Mailing address:

2800 DUNCAN RD

LAFAYETTE, IN 47904 JOHN F MASTARONE Contact:

Contact address: Not reported

> Not reported Not reported (765) 742-1001

Contact email: Not reported EPA Region: 05 Land type: Private Classification: **TSDF**

Description: Handler is engaged in the treatment, storage or disposal of hazardous

waste

TSD commencement date: Not reported

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

MAP FINDINGS Map ID Direction

EDR ID Number Distance Elevation Site Database(s) **EPA ID Number**

LANDIS & GYR (Continued)

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hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: LANDIS & GYR Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Operator Owner/Operator Type: 09/24/2002 Owner/Op start date: Owner/Op end date: Not reported

Owner/operator name: BAYARD [AMERICA] INC. Owner/operator address: LEVEL 9, 60 CASTLEREIGH ST

SYDNEY, NEW SOUTH WALES, 99999

Owner/operator country: ΑU

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 10/07/2004 Owner/Op end date: Not reported

BAYARD [AMERICA] INC Owner/operator name: Owner/operator address: LEVEL 9 60 CASTLEREIGH ST SYDNEY, NEW SOUTH WALES,

Owner/operator country:

Owner/operator telephone: Not reported Private Legal status: Owner/Operator Type: Owner Owner/Op start date: 10/07/2004 Owner/Op end date: Not reported

SIEMENS POWER TRANSMISSION & DIST INC Owner/operator name:

Owner/operator address: PO BOX 29503 RALEIGH, NC 27626

Owner/operator country: Not reported Owner/operator telephone: (919) 365-2200 Private Legal status:

Owner/Operator Type: Owner Owner/Op start date: 06/25/1998 Owner/Op end date: Not reported

LANDIS & GYR HOLDINGS BV Owner/operator name:

Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner

Owner/Op start date: 09/24/2002 Owner/Op end date: 10/07/2004

Owner/operator name: BAYARD [AMERICA] INC. Owner/operator address: LEVEL 9, 60 CASTLEREIGH ST

SYDNEY, NEW SOUTH WALES, 99999

Direction Distance Elevation

vation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Owner/operator country: AU

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 10/07/2004 Owner/Op end date: Not reported

Owner/operator name: SIEMENS POWER TRANSMISSION & DIST INC

Owner/operator address: PO BOX 29503

RALEIGH, NC 27626

Owner/operator country: Not reported
Owner/operator telephone: (919) 365-2200

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: Yes Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats

Accumulated waste on-site: No Generated waste on-site: No

Historical Generators:

Date form received by agency: 03/01/2005

Facility name: LANDIS & GYR INC Site name: LANDIS & GYR INC.

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued) 1000189594

Classification: Large Quantity Generator

Date form received by agency: 12/20/2002

Facility name: LANDIS & GYR INC
Site name: LANDIS & GYR

Classification: Large Quantity Generator

Date form received by agency: 05/30/2002

Facility name: LANDIS & GYR INC
Site name: SIEMENS METERING INC
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002

Facility name: LANDIS & GYR INC
Site name: SIEMENS METERING INC

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/29/2001

Facility name: LANDIS & GYR INC
Site name: SIEMENS METERING INC
Classification: Small Quantity Generator

Date form received by agency: 11/16/1998

Facility name: LANDIS & GYR INC
Site name: SIEMENS METERING INC
Classification: Small Quantity Generator

Date form received by agency: 02/27/1998

Facility name: LANDIS & GYR INC
Site name: LANDIS & GYR

Classification: Large Quantity Generator

Date form received by agency: 03/01/1996

Facility name: LANDIS & GYR INC

Site name: LANDIS & GYR METERING, INC.

Classification: Large Quantity Generator

Date form received by agency: 09/06/1994

Facility name: LANDIS & GYR INC
Site name: SIEMENS METERING INC
Classification: Large Quantity Generator

Date form received by agency: 01/12/1994

Facility name: LANDIS & GYR INC Site name: LANDIS & GYR

Classification: Large Quantity Generator

Date form received by agency: 02/25/1992

Facility name: LANDIS & GYR INC
Site name: LANDIS & GYR

Classification: Large Quantity Generator

Date form received by agency: 03/01/1990

Facility name: LANDIS & GYR INC

Site name: LANDIS & GYR METERING INC Classification: Large Quantity Generator

EDR ID Number

Direction Distance Elevation

evation Site Database(s) EPA ID Number

LANDIS & GYR (Continued) 1000189594

Date form received by agency: 11/17/1980

Facility name: LANDIS & GYR INC
Site name: SIEMENS METERING INC
Classification: Not a generator, verified

Biennial Reports:

Last Biennial Reporting Year: 2005

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 451

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED. THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 2018

Waste code: D009
Waste name: MERCURY

Amount (Lbs): 15

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Amount (Lbs): 9207

Corrective Action Summary:

Event date: 03/31/1987
Event: RFA Completed

Event date: 03/31/1987

Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/27/1991

Event: CA Prioritization, Facility or area was assigned a medium corrective

action priority.

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Facility Has Received Notices of Violations:
Regulation violated:
Area of violation:
Date violation determined:
Date achieved compliance:

FR - 265.16
TSD - General
09/12/2005
01/25/2006

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/27/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 265.16
Area of violation: TSD - General
Date violation determined: 09/12/2005
Date achieved compliance: 01/25/2006
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/17/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 265.14

Area of violation: TSD - General Facility Standards

Date violation determined: 09/15/2003
Date achieved compliance: 12/04/2003
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/27/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD IS-Ground-Water Monitoring

Date violation determined: 05/20/1996
Date achieved compliance: 08/21/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/02/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 04/26/1995
Date achieved compliance: 12/05/1995
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 04/26/1995
Date achieved compliance: 12/05/1995
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 04/26/1995
Date achieved compliance: 12/05/1995
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 04/26/1995
Date achieved compliance: 12/05/1995
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LANDIS & GYR (Continued)

1000189594

Area of violation: Generators - Pre-transport

Date violation determined: 08/28/1992 Date achieved compliance: 09/02/1993 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/25/1992 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Not reported Paid penalty amount:

Regulation violated: Not reported

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 08/28/1992 09/02/1993 Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/25/1992 Not reported Enf. disposition status: Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported Area of violation: TSD - General Date violation determined: 11/30/1990 07/14/1992 Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/05/1991 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported Area of violation: LDR - General Date violation determined: 12/13/1989 Date achieved compliance: 05/08/1990 Violation lead agency: State

Not reported Enforcement action: Enforcement action date: Not reported Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported Area of violation: TSD - General

Direction Distance Elevation

vation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Date violation determined: 12/13/1989
Date achieved compliance: 01/28/1992
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 02/22/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Financial Requirements

Date violation determined: 01/23/1989
Date achieved compliance: 08/28/1990
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/08/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Financial Requirements

Date violation determined: 01/23/1989
Date achieved compliance: 08/28/1990
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 07/03/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 19000
Final penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/13/1988
Date achieved compliance: 02/14/1989
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/01/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/16/1987

Direction Distance Elevation

evation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Date achieved compliance: 03/01/1988 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/12/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Not reported Regulation violated: Area of violation: LDR - General Date violation determined: 11/16/1987 Date achieved compliance: 05/16/1989 Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Enf. disp. status date: Not reported Not reported Enforcement lead agency: Not reported Proposed penalty amount: Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/30/1986
Date achieved compliance: 04/24/1987
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/14/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/11/1985
Date achieved compliance: 03/06/1986
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/25/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD IS-Ground-Water Monitoring

Date violation determined: 08/06/1984
Date achieved compliance: 01/01/2000

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date:
Enf. disposition status:
Enf. disp. status date:
Enforcement lead agency:
Proposed penalty amount:
Final penalty amount:
Paid penalty amount:

11/05/1984
Not reported
State
15000
15000

Regulation violated: Not reported

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 08/06/1984
Date achieved compliance: 01/01/2000
Violation lead agency: State

Enforcement action date:

Enforcement action: INITIAL 3008(A) COMPLIANCE

11/05/1984

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Not reported

Not reported

15000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/06/1984
Date achieved compliance: 01/01/2000
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 11/05/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported

Area of violation: TSD - Financial Requirements

Date violation determined: 08/06/1984
Date achieved compliance: 01/01/2000
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 11/05/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 15000

Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported

Area of violation: TSD IS-Ground-Water Monitoring

Date violation determined: 08/06/1984
Date achieved compliance: 01/01/2000
Violation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 05/28/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/06/1984
Date achieved compliance: 01/01/2000
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 05/28/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: Not reported

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 08/06/1984
Date achieved compliance: 01/01/2000
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 05/28/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Proposed penalty amount: Prinal penalty amount: Not reported
Paid penalty amount: Not reported
Not reported

Regulation violated: Not reported

Area of violation: TSD - Financial Requirements

Date violation determined: 08/06/1984
Date achieved compliance: 01/01/2000
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 05/28/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/12/2005

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 01/25/2006 Evaluation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Evaluation date: 01/13/2005

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 09/15/2003

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Facility Standards

Date achieved compliance: 12/04/2003 Evaluation lead agency: State

Evaluation date: 10/19/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 06/10/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/22/1997

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 07/12/1996

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/20/1996

Evaluation: GROUNDWATER MONITORING EVALUATION

Area of violation: TSD IS-Ground-Water Monitoring

Date achieved compliance: 08/21/1997 Evaluation lead agency: State

Evaluation date: 11/20/1995

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: Generators - General

Date achieved compliance: 12/05/1995 Evaluation lead agency: State

Evaluation date: 11/20/1995

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: Generators - Pre-transport

Date achieved compliance: 12/05/1995 Evaluation lead agency: State

Evaluation date: 08/11/1995

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued) 1000189594

Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 04/26/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 12/05/1995 Evaluation lead agency: State

Evaluation date: 04/26/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 12/05/1995 Evaluation lead agency: State

Evaluation date: 09/21/1994

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 09/02/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 06/04/1993

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 08/28/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 09/02/1993 Evaluation lead agency: State

Evaluation date: 08/28/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 09/02/1993 Evaluation lead agency: State

Evaluation date: 08/27/1992

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/29/1992

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: TSD - General Date achieved compliance: 07/14/1992 Evaluation lead agency: State

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Evaluation date: 08/28/1991

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 09/02/1993 Evaluation lead agency: State

Evaluation date: 11/30/1990

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 11/30/1990

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 07/14/1992 Evaluation lead agency: State

Evaluation date: 08/07/1990

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/13/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 01/28/1992 Evaluation lead agency: State

Evaluation date: 12/13/1989

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: LDR - General Date achieved compliance: 05/08/1990 Evaluation lead agency: State

Evaluation date: 09/06/1989

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 01/23/1989

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

Date achieved compliance: 08/28/1990 Evaluation lead agency: State

Evaluation date: 10/13/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 02/14/1989 Evaluation lead agency: State

Evaluation date: 10/13/1988

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued) 1000189594

Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 09/07/1988

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 11/16/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 03/01/1988 Evaluation lead agency: State

Evaluation date: 11/16/1987

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: LDR - General Date achieved compliance: 05/16/1989 Evaluation lead agency: State

Evaluation date: 03/30/1987

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Date achieved compliance: 01/01/2000 Evaluation lead agency: State

Evaluation date: 10/30/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 04/24/1987 Evaluation lead agency: State

Evaluation date: 09/04/1986

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/09/1985

Evaluation: GROUNDWATER MONITORING EVALUATION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 11/12/1985

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: TSD - Financial Requirements

Date achieved compliance: 01/01/2000 Evaluation lead agency: State

Evaluation date: 09/11/1985

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 03/06/1986 Evaluation lead agency: State

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Evaluation date: 09/10/1985

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: TSD - Financial Requirements

Date achieved compliance: 01/01/2000 Evaluation lead agency: State

Evaluation date: 07/02/1985

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 10/11/1984

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 08/21/1984

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 08/06/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 01/01/2000 Evaluation lead agency: State

Evaluation date: 08/06/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Financial Requirements

Date achieved compliance: 01/01/2000 Evaluation lead agency: State

Evaluation date: 08/06/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 01/01/2000 Evaluation lead agency: State

Evaluation date: 08/06/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD IS-Ground-Water Monitoring

Date achieved compliance: 01/01/2000 Evaluation lead agency: State

CORRACTS:

EPA ID: IND005105408

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 3/31/1987

Action: CA050 - RFA Completed

NAICS Code(s): 334515

Instrument Manufacturing for Measuring and Testing Electricity and

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Electrical Signals

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: IND005105408

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 3/31/1987

Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary

NAICS Code(s): 334515

Instrument Manufacturing for Measuring and Testing Electricity and

Electrical Signals

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: IND005105408

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 9/27/1991

Action: CA075ME - CA Prioritization, Facility or area was assigned a medium

corrective action priority

NAICS Code(s): 334515

Instrument Manufacturing for Measuring and Testing Electricity and

Electrical Signals

Original schedule date: Not reported Schedule end date: Not reported

CERC-NFRAP:

Site ID: 0505394

Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL

Non NPL Status: NFRAP

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/06/1986
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 11/06/1987
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported
Date Completed: 11/06/1987

Priority Level: NFRAP (No Futher Remedial Action Planned

IN MANIFEST:

EPA ID: IND005105408

Flag: SHIP
Facility Addess 2: Not reported

Manifest Handler:

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

EPA Id #: IND005105408

Generator Type: LQG
Generator Status: Active
Transporter Type: Not reported
Transporter Status: Non Active
TSD Type: Permitted
TSD Status: Non Active

Handler Mailing Address: 2800 DUNCAN RD Handler Mailing City: LAFAYETTE

Handler Mailing State: IN
Handler Mailing Zip: 47904
Contact Last Name: MASTARONE
Contact First Name: JOHN F
Contact Telephone: 765-742-1001

Contact Type: B

Receiver Records:

 Report Year:
 2006.00000

 TSD EPA Id:
 IND000646943

 Page Number:
 2545.00000

 Sub Page:
 1.00000

 Generator EPA ID:
 IND005105408

Waste Description: WASTE FLAMMABLE LIQUIDS

Quantity of Waste: 300
Quantity Rec Report Yrly Tons: 0.15
Unit of Measure: 1

 Report Year:
 2006.00000

 TSD EPA Id:
 IND000646943

 Page Number:
 2545.00000

 Sub Page:
 2.00000

 Generator EPA ID:
 IND005105408

Waste Description: WASTE FLAMMABLE LIQUIDS

Quantity of Waste: 75
Quantity Rec Report Yrly Tons: 0.0375
Unit of Measure: 1

 Report Year:
 2006.00000

 TSD EPA Id:
 IND000646943

 Page Number:
 2545.00000

 Sub Page:
 3.00000

 Generator EPA ID:
 IND005105408

Waste Description: WASTE TOXIC LIQUIDS

Quantity of Waste: 10
Quantity Rec Report Yrly Tons: 0.005
Unit of Measure: 1

 Report Year:
 2006.00000

 TSD EPA Id:
 IND000646943

 Page Number:
 2544.00000

 Sub Page:
 4.00000

 Generator EPA ID:
 IND005105408

 Waste Description:
 AEROSOLS

 Quantity of Waste:
 125

Quantity of Waste. 123

Quantity Rec Report Yrly Tons: 0.0625

Unit of Measure: 1

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LANDIS & GYR (Continued)

1000189594

Report Year: 2006.00000 IND000646943 TSD EPA Id: Page Number: 2544.00000 Sub Page: 5.00000 Generator EPA ID: IND005105408

Waste Description: WASTE CORROSIVE LIQUID

Quantity of Waste: 17 Quantity Rec Report Yrly Tons: 0.0085 Unit of Measure:

IN MANIFEST REC: Has -5 more record(s) for this section. Please contact your EDR

Account Executive for more information

Shipment Records:

IND005105408 Generator EPA Id:

Actual Generator Type:

TRICHLOROETHYLENE CONTAMINATED SOILS GENERATED BY A VOLUNTARY Waste Description Shipped:

REMEDIATION PROGRAM REMEDIATION ACTIVITY

Shipped File Page Number: Number Of TSD Facilities: 3 Waste Codes on Page Number: 1 Waste Code: F002 Tons Of Waste Shipped Year: 156

TSD Facility EPA ID: MIR000014530

CLEAN HARBORS ENVIRONMENTAL SERVICES TSD Name:

Facility Address 2: Not reported

Generator EPA Id: IND005105408

Actual Generator Type:

TRICHLOROETHYLENE CONTAMINATED SOILS GENERATED BY A VOLUNTARY Waste Description Shipped:

REMEDIATION PROGRAM REMEDIATION ACTIVITY

Shipped File Page Number: 1 Number Of TSD Facilities: 2 Waste Codes on Page Number: 1 Waste Code: F002 Tons Of Waste Shipped Year: 431.26000 TSD Facility EPA ID: MID000724831

TSD Name: MICHIGAN DISPOSAL WASTE TREATMENT PLT

Facility Address 2: Not reported

Generator EPA Id: IND005105408

Actual Generator Type:

Shipped File Page Number:

Waste Description Shipped: TRICHLOROETHYLENE CONTAMINATED SOILS GENERATED BY A VOLUNTARY

REMEDIATION PROGRAM REMEDIATION ACTIVITY

Number Of TSD Facilities: 1 Waste Codes on Page Number: 1 Waste Code: F002 Tons Of Waste Shipped Year: 2.71050 TSD Facility EPA ID: MID000724831

MICHIGAN DISPOSAL WASTE TREATMENT PLT TSD Name:

Facility Address 2: Not reported

Generator EPA Id: IND005105408

Actual Generator Type:

Waste Description Shipped: LAB PACK

Shipped File Page Number: 2 Number Of TSD Facilities: 1

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LANDIS & GYR (Continued) 1000189594

Waste Codes on Page Number: 4 D010 Waste Code: Tons Of Waste Shipped Year: 0.21750 TSD Facility EPA ID: IND000646943

POLLUTION CONTROL INDUSTRIES INC TSD Name:

Facility Address 2: Not reported

IND005105408 Generator EPA Id:

Actual Generator Type:

Waste Description Shipped: LAB PACK

Shipped File Page Number: 2 Number Of TSD Facilities: 1 Waste Codes on Page Number: 5 Waste Code: U159 Tons Of Waste Shipped Year: 0.21750 IND000646943 TSD Facility EPA ID:

TSD Name: POLLUTION CONTROL INDUSTRIES INC

Facility Address 2: Not reported

IN MANIFEST SHIPPER: Has 5 more record(s) for this section. Please contact your EDR Account

Executive for more information

Transporter Records:

Report Year: 2006

IND005105408 Generator EPA ID:

Page Number of Report:

TSD EPA Id: IND984957563

Num Of Tranporters Used: 2

Report Year: 2006

IND005105408 Generator EPA ID:

Page Number of Report: 1

TSD EPA Id: MAD039322250

Num Of Tranporters Used:

2006 Report Year:

Generator EPA ID: IND005105408

Page Number of Report:

TSD EPA Id: IND000646943

Num Of Tranporters Used:

Report Year: 2006

Generator EPA ID: IND005105408

Page Number of Report:

TSD EPA Id: MI0000263871

Num Of Tranporters Used:

EPA ID: IND005105408 **HANDLER** Flag: Facility Addess 2: Not reported

EPA ID: IND005105408 HANDLER Flag: Facility Addess 2: Not reported

EPA ID: IND005105408

Flag: SHIP

Direction Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Facility Addess 2: Not reported

EPA ID: IND005105408

Flag: SHIP
Facility Addess 2: Not reported

<u>Click this hyperlink</u> while viewing on your computer to access 1 additional IN MANIFEST: record(s) in the EDR Site Report.

CT MANIFEST:

Manifest No: Not reported Waste Occurence: Not reported Not reported UNNA: Hazard Class: Not reported US Dot Description: Not reported No of Containers: Not reported Container Type: Not reported Quantity: Not reported Weight/Volume: Not reported Additional Description: Not reported Handling Code: Not reported Not reported Date Record Was Last Modified: DEO Who Last Modified Record: Not reported Not reported Manifest No: Waste Occurence: Not reported **EPA Waste Code:** Not reported Recycled Waste?: Not reported Date Record Was Last Modified: Not reported DEO Who Last Modified Record: Not reported

Year: 1995

Manifest ID: MAH264518
TSDF EPA ID: MAD053452637

TSDF Name: CLEAN HARBORS OF BRAINTREE INC

TSDF Address: 385 QUINCY AVE TSDF City,St,Zip: BRAINTREE, MA 02184

TSDF Country: USA

TSDF Telephone: Not reported
Transport Date: 08/30/95
Transporter EPA ID: MAD039322250

Transporter Name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.

Transporter Country: USA
Transporter Phone: Not reported
Trans 2 Date: 09/06/95
Trans 2 EPA ID: MAD039322250

Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.

Trans 2 Address: Not reported

Trans 2 City,St,Zip: CT
Trans 2 Country: USA

Not reported Trans 2 Phone: IND005105408 Generator EPA ID: Gererator Phone: Not reported Generator Address: Not reported Generator City, State, Zip: Not reported Not reported Generator Country: Special Handling: Not reported Discrepancies: Yes 08/30/95 Date Shipped:

Map ID MAP FINDINGS Direction

Distance

Elevation Site Database(s) EPA ID Number

LANDIS & GYR (Continued)

1000189594

EDR ID Number

Date Received: 09/30/95
Last modified date: 04/26/04
Last modified by: IG

Comments: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAFAYETTE	1007093348	INDOT ST 52 79 02030JAWB	US 52 0PT 29 MI OF SR 25	47904	MANIFEST, RCRA-NonGen
LAFAYETTE	1011812989	LOT 4- WIDEWATER INDUSTRIAL PARK	607, 609, 610 AND 614 WIDEWATER DRIVE	47904	US BROWNFIELDS
LAFAYETTE	1007093546	RUTLEDGE TOWING & RECOVERY	2400 N 9TH ST	47904	RCRA-NonGen
LAFAYETTE	1011812983	LOT 11- WIDEWATER INDUSTRIAL PARK	NORTH 9TH STREET	47904	US BROWNFIELDS
LAFAYETTE	S108162407	KENNY'S & HUDLOW'S	2610 N 9TH ST	47904	DRYCLEANERS
LAFAYETTE	U003968746	FAMILY EXPRESS 38	2610 N 9TH ST	47904	UST
LAFAYETTE	U004020476	MECHANICS LAUNDRY LAFAYETTE	2438 N 9TH ST	47904	UST
LAFAYETTE	1011812982	LOT 10- WIDEWATER INDUSTRIAL PARK	WIDEWATER DRIVE & 9TH STREET	47904	US BROWNFIELDS

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 08/13/2008 Source: EPA
Date Data Arrived at EDR: 08/27/2008 Telephone: N/A

Date Made Active in Reports: 09/23/2008 Last EDR Contact: 09/29/2008

Number of Days to Update: 27 Next Scheduled EDR Contact: 10/27/2008

Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/30/2008 Source: EPA
Date Data Arrived at EDR: 05/06/2008 Telephone: N/A

Number of Days to Update: 34 Next Scheduled EDR Contact: 10/27/2008
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 08/14/2008 Source: EPA
Date Data Arrived at EDR: 08/27/2008 Telephone: N/A

Number of Days to Update: 27 Next Scheduled EDR Contact: 10/27/2008
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/09/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 34

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 10/16/2008

Next Scheduled EDR Contact: 01/12/2009 Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007 Date Data Arrived at EDR: 12/06/2007 Date Made Active in Reports: 02/20/2008

Number of Days to Update: 76

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 09/15/2008

Next Scheduled EDR Contact: 12/15/2008 Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/19/2008 Date Data Arrived at EDR: 08/29/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 27

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 09/02/2008

Next Scheduled EDR Contact: 12/01/2008 Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 09/23/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 09/23/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 09/23/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 09/23/2008

Next Scheduled EDR Contact: 11/17/2008
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 09/23/2008

Next Scheduled EDR Contact: 11/17/2008

Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/23/2008 Date Data Arrived at EDR: 07/29/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 09/29/2008

Next Scheduled EDR Contact: 12/29/2008 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/23/2008 Date Data Arrived at EDR: 07/29/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/30/2008

Next Scheduled EDR Contact: 09/29/2008 Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 01/23/2008 Date Made Active in Reports: 03/17/2008

Number of Days to Update: 54

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 07/25/2008

Next Scheduled EDR Contact: 10/20/2008 Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/30/2008 Date Data Arrived at EDR: 07/15/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 41

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 10/16/2008

Next Scheduled EDR Contact: 01/12/2009 Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008 Date Data Arrived at EDR: 05/28/2008 Date Made Active in Reports: 08/08/2008

Number of Days to Update: 72

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 08/29/2008

Next Scheduled EDR Contact: 11/24/2008 Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 12/28/2007

Number of Days to Update: 25

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 09/23/2008

Next Scheduled EDR Contact: 12/22/2008 Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 08/25/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 10/16/2008

Next Scheduled EDR Contact: 01/12/2009 Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS Telephone: 703-692-8801 Last EDR Contact: 08/08/2008

Next Scheduled EDR Contact: 11/03/2008 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 09/05/2008 Date Made Active in Reports: 09/23/2008

Number of Days to Update: 18

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285

Last EDR Contact: 09/05/2008

Next Scheduled EDR Contact: 12/29/2008 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 09/09/2008

Next Scheduled EDR Contact: 12/08/2008 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/25/2008 Date Data Arrived at EDR: 06/12/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 10/20/2008

Next Scheduled EDR Contact: 01/19/2009 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical

and health information to aid in the cleanup.

Date of Government Version: 06/18/2008 Date Data Arrived at EDR: 07/11/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 45

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 09/29/2008

Next Scheduled EDR Contact: 12/29/2008 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 09/15/2008

Next Scheduled EDR Contact: 12/15/2008 Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008 Date Data Arrived at EDR: 04/17/2008 Date Made Active in Reports: 05/15/2008

Number of Days to Update: 28

Source: EPA, Region 9 Telephone: 415-972-3336 Last EDR Contact: 09/22/2008

Next Scheduled EDR Contact: 12/22/2008 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 09/23/2008

Next Scheduled EDR Contact: 12/22/2008 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 09/19/2008

Next Scheduled EDR Contact: 12/15/2008 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006

Number of Days to Update: 46

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 10/14/2008

Next Scheduled EDR Contact: 01/12/2009 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/12/2008 Date Data Arrived at EDR: 07/18/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 38

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 09/15/2008

Next Scheduled EDR Contact: 12/15/2008 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 07/12/2008 Date Data Arrived at EDR: 07/18/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 38

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 09/15/2008

Next Scheduled EDR Contact: 12/15/2008 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 35

Source: EPA Telephone: 202-564-4203 Last EDR Contact: 10/14/2008

Next Scheduled EDR Contact: 01/12/2009 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2008 Date Data Arrived at EDR: 08/13/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 10/14/2008

Next Scheduled EDR Contact: 01/12/2009 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007 Date Data Arrived at EDR: 02/07/2008 Date Made Active in Reports: 03/17/2008

Number of Days to Update: 39

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 09/18/2008

Next Scheduled EDR Contact: 11/03/2008 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/08/2008 Date Data Arrived at EDR: 08/05/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 20

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 09/29/2008

Next Scheduled EDR Contact: 12/29/2008 Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/29/2008 Date Data Arrived at EDR: 07/31/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 25

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/31/2008

Next Scheduled EDR Contact: 10/27/2008 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/09/2008 Date Made Active in Reports: 08/25/2008

Number of Days to Update: 47

Source: EPA Telephone: (312) 353-2000 Last EDR Contact: 09/29/2008

Next Scheduled EDR Contact: 12/29/2008 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 03/06/2007 Date Made Active in Reports: 04/13/2007

Number of Days to Update: 38

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 09/12/2008

Next Scheduled EDR Contact: 12/08/2008 Data Release Frequency: Biennially

SCRD DRYCLEANERS: State Coalition for Redediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/10/2008 Date Made Active in Reports: 09/23/2008

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 08/25/2008

Next Scheduled EDR Contact: 11/10/2008 Data Release Frequency: Varies

STATE AND LOCAL RECORDS

SHWS: List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 03/01/2007 Date Data Arrived at EDR: 08/27/2007 Date Made Active in Reports: 09/18/2007

Number of Days to Update: 22

Source: Department of Environmental Management

Telephone: 317-308-3052 Last EDR Contact: 08/08/2008

Next Scheduled EDR Contact: 09/22/2008 Data Release Frequency: Annually

SWF/LF: Permitted Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/08/2008 Date Data Arrived at EDR: 07/25/2008 Date Made Active in Reports: 08/28/2008

Number of Days to Update: 34

Source: Department of Environmental Management

Telephone: 317-232-0066 Last EDR Contact: 10/08/2008

Next Scheduled EDR Contact: 01/05/2009 Data Release Frequency: Semi-Annually

LUST: Lust Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/24/2008 Date Data Arrived at EDR: 09/26/2008 Date Made Active in Reports: 09/30/2008

Number of Days to Update: 4

Source: Department of Environmental Management

Telephone: 317-232-8900 Last EDR Contact: 09/26/2008

Next Scheduled EDR Contact: 12/22/2008 Data Release Frequency: Annually

UST: Indiana Registered Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/24/2008 Date Data Arrived at EDR: 09/26/2008 Date Made Active in Reports: 09/30/2008

Number of Days to Update: 4

Source: Department of Environmental Management

Telephone: 317-308-3008 Last EDR Contact: 09/26/2008

Next Scheduled EDR Contact: 12/22/2008 Data Release Frequency: Quarterly

DEL SHWS: Deleted Commissioner's Bulletin Sites List

A listing of sites deleted/removed from the Commissioner's Bulletin List

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/04/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 10

Source: Department of Environmental Management

Telephone: 317-234-0347 Last EDR Contact: 09/22/2008

Next Scheduled EDR Contact: 12/22/2008

Data Release Frequency: Varies

BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities

A listing of registered dry or liquid bulk fertilizer and pesticide storage facilities.

Date of Government Version: 03/01/2008 Date Data Arrived at EDR: 03/11/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 34

Source: Office of Indiana State Chemist

Telephone: 765-494-0579 Last EDR Contact: 09/02/2008

Next Scheduled EDR Contact: 12/01/2008 Data Release Frequency: Varies

IN MANIFEST: Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 11/21/2007 Date Made Active in Reports: 12/28/2007

Number of Days to Update: 37

Source: Department of Environmental Management

Telephone: 317-233-4624 Last EDR Contact: 07/28/2008

Next Scheduled EDR Contact: 10/27/2008 Data Release Frequency: Annually

SPILLS: Spills Incidents

Oil, hazardous, or objectionable materials that may be released to soil and water.

Date of Government Version: 09/24/2008 Date Data Arrived at EDR: 09/26/2008 Date Made Active in Reports: 09/30/2008

Number of Days to Update: 4

Source: Department of Environmental Management

Telephone: 317-308-3038 Last EDR Contact: 09/26/2008

Next Scheduled EDR Contact: 12/22/2008 Data Release Frequency: Semi-Annually

AUL: Sites with Restrictions

Activity and use limitations include both engineering controls and institutional controls. A listing of Comfort/Site Status Letter sites that have been issued with controls.

Date of Government Version: 09/23/2008 Date Data Arrived at EDR: 09/24/2008 Date Made Active in Reports: 09/30/2008

Number of Days to Update: 6

Source: Department of Environmental Management

Telephone: 317-232-8603 Last EDR Contact: 09/22/2008

Next Scheduled EDR Contact: 12/22/2008

Data Release Frequency: Varies

VCP: Voluntary Remediation Program Site List

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 04/01/2008 Date Data Arrived at EDR: 05/07/2008 Date Made Active in Reports: 06/17/2008

Number of Days to Update: 41

Source: Department of Environmental Management

Telephone: 317-234-0966 Last EDR Contact: 08/08/2008

Next Scheduled EDR Contact: 11/03/2008 Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Listing

A list of drycleaners involved in the Indiana 5-Star Environmental Recognition Program. It is a voluntary program that ranks participating drycleaners on a scale of one to five stars. The program recognizes those drycleaners willing to do more for the environment and worker safety than the rules require. These drycleaners are going above and beyond the rules to protect the environment, their employees and their neighbors and customers.

Date of Government Version: 10/17/2006 Date Data Arrived at EDR: 10/25/2006 Date Made Active in Reports: 12/06/2006

Number of Days to Update: 42

Source: Department of Environmental Management

Telephone: 800-988-7901 Last EDR Contact: 10/06/2008

Next Scheduled EDR Contact: 01/05/2009

Data Release Frequency: Varies

BROWNFIELDS: Brownfields Site List

A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redevelopment is complicated due to the actual or perceived environmental contamination.

Date of Government Version: 09/23/2008 Date Data Arrived at EDR: 09/24/2008 Date Made Active in Reports: 09/30/2008

Number of Days to Update: 6

Source: Department of Environmental Management

Telephone: 317-233-2570 Last EDR Contact: 09/22/2008

Next Scheduled EDR Contact: 12/22/2008 Data Release Frequency: Semi-Annually

AIRS: Permitted Sources & Emissions Listing

Current permitted sources and emissions inventory information.

Date of Government Version: 02/04/2008 Date Data Arrived at EDR: 02/05/2008 Date Made Active in Reports: 03/10/2008

Number of Days to Update: 34

Source: Department of Environmental Management

Telephone: 317-233-0185 Last EDR Contact: 07/28/2008

Next Scheduled EDR Contact: 10/27/2008

Data Release Frequency: Varies

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 09/22/2008 Date Data Arrived at EDR: 09/22/2008 Date Made Active in Reports: 09/30/2008

Number of Days to Update: 8

Source: Department of Environmental Management

Telephone: 317-233-0066 Last EDR Contact: 09/22/2008

Next Scheduled EDR Contact: 12/22/2008

Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 08/08/2008

Next Scheduled EDR Contact: 11/03/2008 Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 08/25/2008

Next Scheduled EDR Contact: 11/24/2008 Data Release Frequency: Varies

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INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/22/2008 Date Data Arrived at EDR: 08/22/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 18

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2008 Date Data Arrived at EDR: 10/10/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/21/2008 Date Data Arrived at EDR: 09/04/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 5

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008 Date Data Arrived at EDR: 03/27/2008 Date Made Active in Reports: 05/06/2008

Number of Days to Update: 40

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008

Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/17/2008 Date Data Arrived at EDR: 03/27/2008 Date Made Active in Reports: 05/06/2008

Number of Days to Update: 40

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 03/20/2008

Number of Days to Update: 6

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/05/2008 Date Data Arrived at EDR: 09/05/2008 Date Made Active in Reports: 09/23/2008

Number of Days to Update: 18

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 03/20/2008

Number of Days to Update: 6

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 03/17/2008 Date Data Arrived at EDR: 03/27/2008 Date Made Active in Reports: 05/06/2008

Number of Days to Update: 40

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 27

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008 Date Data Arrived at EDR: 09/05/2008 Date Made Active in Reports: 09/23/2008

Number of Days to Update: 18

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007 Date Data Arrived at EDR: 06/14/2007 Date Made Active in Reports: 07/05/2007

Number of Days to Update: 21

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/21/2008 Date Data Arrived at EDR: 09/04/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 5

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 27

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/22/2008 Date Data Arrived at EDR: 08/22/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 18

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 08/18/2008

Next Scheduled EDR Contact: 11/17/2008 Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 10/20/2008

Next Scheduled EDR Contact: 01/19/2009 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 10/20/2008

Next Scheduled EDR Contact: 01/19/2009 Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 06/15/2007 Date Made Active in Reports: 08/20/2007

Number of Days to Update: 66

Source: Department of Environmental Protection Telephone: 860-424-3375

Last EDR Contact: 09/12/2008

Next Scheduled EDR Contact: 12/08/2008 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 09/30/2007 Date Data Arrived at EDR: 12/04/2007 Date Made Active in Reports: 12/31/2007

Number of Days to Update: 27

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 08/08/2008

Next Scheduled EDR Contact: 11/03/2008 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 07/23/2008 Date Data Arrived at EDR: 08/28/2008 Date Made Active in Reports: 09/11/2008

Number of Days to Update: 14

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 08/28/2008

Next Scheduled EDR Contact: 11/24/2008 Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 09/11/2008 Date Made Active in Reports: 10/02/2008

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 09/08/2008

Next Scheduled EDR Contact: 12/08/2008 Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 06/03/2008 Date Made Active in Reports: 08/07/2008

Number of Days to Update: 65

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 09/15/2008

Next Scheduled EDR Contact: 12/15/2008 Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 03/17/2008 Date Data Arrived at EDR: 03/26/2008 Date Made Active in Reports: 04/09/2008

Number of Days to Update: 14

Source: Department of Environmental Conservation

Telephone: 802-241-3443 Last EDR Contact: 08/11/2008

Next Scheduled EDR Contact: 11/10/2008 Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/22/2008 Date Made Active in Reports: 09/08/2008

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 10/06/2008

Next Scheduled EDR Contact: 01/05/2009 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: child Care Listing

Source: Family & Social Services Administration

Telephone: 317-232-4740

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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APPENDIX F COMMUNICATION LOGS



Date:10/20/2008	_ Time: _	2:20 PM	IWM Contact Name: Patrick Rohan			
Project Name:	- 2600 Dun	can Rd				
Person Contacted	: Ron R. N	oles	Phone#: (765) 423-9221			
Company Name:	Tippecanoe	County H				
Summary:			es, no known adverse environmental concerns			
	have beer	n reported a	at the Property. He had originally stated that it is			
	possible that there is still a septic tank on the Propety.					
	There hav	e been no	updates to the TCHD database since the last interview.			
		W-22-40-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0				
	L. L					
	Name of the state					
Follow-up Action:	<u>_</u>	None.				
	_		·			
	_					
	_					
	0 -	9,				
Signature:	Hallor	<u>L</u>				

Date:10/20/2008	Time: 1:50 PM IWM Contact Name: Patrick Rohan			
Project Name:	2600 Duncan Rd			
Person Contacted				
Company Name: L	_afayette Fire Department			
Summary:	According to Ms. Samantha Taylor, no additional or known adverse			
	environmental concerns have been reported at the Property.			
	There have been no updates to her database since the last interview.			
•				
Fallow up Action:	None.			
Follow-up Action:	Notic.			
Signature:	William			
~				

Date:10/20/2008	Time: 3:25 PM IVVM Contact Name: Patrick Ronan
Project Name:	2600 Duncan Rd
Person Contacted	: Steve Shook Phone#: (765) 742-5096
Company Name: (Owner Representative
Summary:	According to Mr. Steve Shook, representing the agent of the owner since
	1998. He is not aware of any indicators that point to the presence or likely
	presence of contamination at the Property based on personal knowledge
	or experience, other than the southern adjacent property, formerly
	Mechanics Laundry, having some environmental problems. He was
	unaware of any landfill activities on the Property. He is not aware of any
	environmental liens on this property.
	He is aware of the findings presented in the 1998 Alt & Witzig Phase I ESA
	report and more recent activities conducted by IWM Consulting.
Follow-up Action:	None.
Signature:	PayBlan

Date: 10/21/2008	Time: 8:45 AM IVVIVI Contact Name: Patrick Ronan				
Project Name:	2600 Duncan Rd				
Person Contacte					
Company Name:	Attorney, Tippecanoe County (Reiling, Teder & Schrier, LLC)				
Summary:	According to Mr. Dan Teder, he is still unaware of any indicators that point to				
	the presence or likely presence of contamination at the Property based				
	on person knowledge or experience, other than the southern adjacent				
	property, formerly Mechanics Laundry, having some environmental				
	problems. He indicated that the Property was held and owned by Grace				
	Ed Company and had been used as a residence and small private golf				
	course historically. He was unaware of any landfill activities on the				
	Property until later investigations had shown that the swale area was used				
	for disposal of trash, metal and plastic debris.				
	He is not aware of any environmental liens on this property.				
Follow-up Action	: None.				
Signature:	f Wolue				

APPENDIX G AERIAL PHOTOGRAPHS





No scale provided.

LAFAYETTE, INDIANA

2007 AERIAL PHOTO PROVIDED

GOOGLE™ EARTH





AERIAL LOCATION

Phase I Environmental Site Assessment Vacant Property 2600 Duncan Road Lafayette, IN

2007 Aerial Photograph



APPENDIX H SOIL EXCAVATION SUMMARY REPORT



Soil Excavation Summary Report **26-Acre Vacant Lot Property**

2600 Duncan Road Lafayette, Indiana 47901 U.S. EPA Project No.: BF-96564001-1

Prepared For:

Mr. E. Dana Smith
Acting Director
Greater Lafayette Community Development Corporation
337 Columbia Street
P.O. Box 348
Lafayette, IN 47902-0348

Prepared By:

IWM Consulting Group, LLC 7428 Rockville Road Indianapolis, Indiana 46214

October 27, 2008







October 27, 2008

Mr. E. Dana Smith Acting Director Greater Lafayette Community Development Corporation 337 Columbia St P. O. Box 348 Lafayette, IN 47902-0348

Re: Soil Excavation Summary Report

26-Acre Vacant Lot Property

2600 Duncan Road

Lafayette, Indiana 47901

Tippecanoe County

U.S. EPA Project No. BF-96564001-1

Dear Mr. Smith:

Industrial Waste Management Consulting Group, LLC (IWM Consulting) is submitting this Soil Excavation Summary Report to the Greater Lafayette Community Development Corporation (GLCDC) in order to summarize the results of the most recent environmental activities completed at the 26-Acre Vacant Lot Property (Site) in September and October 2008. The United States Environmental Protection Agency (USEPA) awarded Tippecanoe County with a Hazardous Substance Brownfields Assessment Grant in order to cover the cost of a previous Phase I Environmental Site Assessment (ESA) and a subsequent Phase II subsurface investigation. Both environmental investigations identified a swale area in the central portion of the Site which reportedly was historically utilized as a private landfill. Consequently, IWM Consulting recommended to the GLCDC that they request the existing property owner (Canal Partners, LLC) to install a series of test trenches in the central swale area of the Site to confirm or negate the presence of buried trash and/or debris. The owner agreed to install the test trenches and this report summarizes the results of the test trenches and subsequent field work. The cost of the test trenches and subsequent field work was not funded by the USEPA Hazardous Substance Brownfield Assessment Grant.

Background Information

On February 25, 1992, Heritage Remediation and Engineering, Inc. (HR/E) provided a Site Activities Letter Report for the Grace Property (corresponds to the Site). The letter report detailed the removal of 42 truck loads or 585 tons of waste materials and construction debris from a pit in the central portion of the Site. The waste materials consisted of refrigerators, water heaters, tires, chemical containers, and wood products. The letter report listed the Ed Grace Company (plumbing contractor) as the primary contributor of the waste materials. HR/E used an Organic Vapor Analyzer (OVA) to monitor for the presence of airborne Volatile Organic Compounds (VOCs). Subsequent OVA readings obtained from the pit, while the waste materials were removed, revealed no readings above background conditions. Additionally, exploratory holes were excavated at ten to fifteen foot intervals along the bottom of the excavation area. The holes were excavated to a depth below which no more waste was found (approximately 2 - 6 feet). The debris observed in the holes was similar to the debris previously

encountered. Reportedly, no visible materials were noted that presented significant environmental concerns. Additional excavation activities were discontinued based on these findings. The exploratory holes were then backfilled and the area was roughly graded; however, the excavation cavity was left open for potential future investigations/actions. It was noted that HR/E could not make definitive statements as to whether the surface and/or subsurface had been contaminated. Furthermore, an extensive investigation of soil and groundwater would be necessary to gather sufficient information for a complete assessment of site conditions.

It was later confirmed by IWM Consulting that the excavated pit area coincides with the swale area located in the central portion of the Site, which was identified in the IWM Consulting Phase I ESA site inspection conducted on March 19, 2008.

On February 20, 1998, a Phase I ESA report of the Property was completed by Alt & Witzig Engineering, Inc. The previous Phase I ESA stated that a fill pipe and vent pipe associated with a heating oil UST were observed extending from the basement on the north side of the former two-story residence/clubhouse in 1998. The previous Phase I ESA indicated that access to the basement of this building was not provided; therefore, there was no indication as to whether the heating oil tank in question was in fact a UST or AST. IWM Consulting was unable to verify the closure status (i.e. removal) of the heating oil tank in the basement of the former two-story residence/clubhouse through record reviews and observations during the site inspection conducted on March 19, 2008. During the 1998 site reconnaissance, a battery was also observed on the northeast portion of the Property. IWM Consulting observed a battery in the same area during the site visit on March 19, 2008.

On June 19, 2004, a Phase I ESA report of the Property was completed by PHASE I Environmental Engineering. According to the report, "No known or suspect environmental conditions were identified." Furthermore, the environmental assessment revealed no evidence of Recognized Environmental Conditions (RECs) in connection with the property.

On April 2, 2008, IWM Consulting completed an AAI compliant Phase I ESA for the GLCDC. Based on the site inspection, review of the historical records, and examination of environmental records for adjacent properties, IWM Consulting recommended a comprehensive Phase II Subsurface Investigation. The Phase II Subsurface Investigation would determine if the Property has been further impacted by past on-site and off-site operating activities, in the areas along the south boundary of the Property; and in the proximity of the former heating oil UST or AST and swale location.

On August 20, 2008, IWM Consulting completed an Initial Assessment Report for the GLCDC which consisted of the advancement of eight soil borings (GP-01 through GP-08) and the collection of soil and groundwater samples. Based on site observations and analytical data obtained at the Site during the July 2008 investigation, subsurface site conditions did not indicate evidence of a hazardous or petroleum release at the Site. Miscellaneous landfill debris was not observed in any of the soil borings during installation activities; although it should be noted that due to above ground restrictions (i.e. trees & brush), IWM Consulting personnel could not install soil borings immediately above the area suspected to be the former private landfill.

Future site development activities (potentially a Juvenile Justice Center) are expected to include the construction of a commercial building(s), parking lots, and other open areas. These development areas encompass the swale located in the central portion of the Site. Consequently, IWM Consulting recommended that further investigation activities be completed in the swale to verify subsurface



conditions. A copy of the proposed Master Plan for the Juvenile Justice Center is included in $\mathbf{Appendix}$ \mathbf{A} .

Initial Test Trenches

The owner of the property contracted representatives from Tri-Esco to install a total of three test trenches in the northern, central, and southern portions of the swale. The north test trench was installed to a depth of 6 feet below land surface (BLS), the central test trench was installed to a depth of 10 feet BLS, and the south test trench was installed to a depth of 8 feet BLS. Household trash (paper, glass, soda cans, and plastic) and debris (tires, insulation, piping, rubber hoses, wood, water heaters, and various pieces of metal) were encountered in all of the test trenches at a depth beginning at approximately 2 feet BLS. The debris extended to depths ranging between 6 and 8 feet BLS. IWM Consulting personnel obtained five (5) grab soil samples from the test trenches and field screened the soil samples with a flame ionization detector (FID). All of the soil samples had FID readings less than 5 parts per million vapor (ppmv).

Based on the results of the test trenches, it was determined that the entire swale area needed to be grubbed and cleared of brush, vegetation, and trees and that the underlying trash and debris needed to be removed from the Site. Confirmatory soil samples would be obtained from the sidewalls and base of the excavation and from the excavated soil in order to verify the presence or absence of total petroleum hydrocarbons (TPH) and RCRA-8 Metals.

Trash/Debris Removal Activities

The trash and debris located in the subsurface of the swale located in the central portion of the Site was excavated by representatives from Tri-Esco between September 24, 2008 and October 8, 2008. Tri-Esco was subcontracted by the current property owner and IWM Consulting was subcontracted by Tippecanoe County to document the removal activities and to obtain confirmatory soil samples for field screening and analytical analyses.

Initially, Tri-Esco removed the brush, vegetation, and trees from the swale and the top two (2) to three (3) feet of soil. The top two (2) to three (3) feet of soil did not contain trash or debris and was subsequently placed along the western side of the swale and utilized to construct a temporary road for use during the excavation project. A total of eleven (11) soil samples (FS-1 through FS-11) were obtained from the excavated material for field screening purposes and five (5) soil samples (SS-1 through SS-5) were obtained from laboratory analysis. All of the soil samples had FID readings less than 1 ppmv. The confirmatory soil samples (SS-1 through SS-5) were delivered under chain-of-custody controls to Pace Analytical Services, Inc. located in Indianapolis, Indiana. The soil samples were submitted for analysis of total petroleum hydrocarbon-gasoline range organics (TPH-GRO) and extended range organics (TPH-ERO) using SW846 Method 8015 and percent moisture. In addition to the TPH and percent moisture analyses, the soils samples were also analyzed for RCRA-8 Metals using the appropriate SW846 Methods.

Excavation activities at the Site were initiated in the northern portion of the swale and preceded toward the south. The base of the swale was over-excavated to depths ranging between seven (7) and ten (10) feet BLS, which corresponds to approximately fifteen (15) to eighteen (18) feet below the surface elevation of the topography surrounding the swale. The total dimension of the area excavated is approximately 400 feet long (North to South) x 20 feet wide (West to East). The sides of the excavation extend upward at an approximate 45° angle for another 15 feet, making the total width of the excavation approximately 50 feet.



The excavated material was initially passed through a mechanical powered screener, which separates out larger pieces of trash, debris, and rocks from the native sandy soil. The sandy soil was discharged from the power screener and stockpiled onsite. The trash and debris were removed from the power screener and stored in a separate stockpile for subsequent disposal at a local solid waste transfer facility (Tippecanoe County Transfer Station).

The trash and debris observed during the excavation activities consisted of the following: crushed, empty 55-gallon drums (unlabeled), barbed wire, fiberglass insulation, glass, metal and plastic pieces and piping, paper, water heaters, tires, wiring, cans (food and drink containers), metal springs, bottles, wood, porcelain and toilets, sink fixtures, plastic sheeting and tarps, concrete pieces, electrical conduit, empty oil cans and smaller (<10 gallons) containers formerly used to store petroleum or anti-freeze. IWM Consulting did not observe any fluids within the containers and did not observe any stained soil during the excavation project.

A total of one-hundred and one (101) additional grab soil samples (FS-12 through FS-112) were obtained during the excavation activities and field screened with a photo-ionization detector (PID) and FID. Only one soil sample (FS-43) had a PID or FID reading exceeding 5 ppmv. In particular, the only soil sample with a PID above 5 ppmv was obtained from the sorted, stockpiled soil and had a PID reading of 12.1 ppmv (FS-43).

A total of twenty-one (21) additional confirmatory soils samples were obtained during the excavation activities and submitted for laboratory analysis of TPH-GRO, TPH-ERO, and RCRA-8 Metals. Only one confirmatory soil sample had a PID or FID reading in excess of 5 ppmv (Stockpile 3 had a PID reading of 45.9 ppmv). All of the volatile soil samples submitted for laboratory analysis during the course of this investigation were obtained in general accordance with Indiana Sampling Method 5035M.

All of the segregated, stockpiled soil currently remains onsite and is anticipated to be utilized at the Site during future site development activities. Additionally, the segregated, stockpiled trash and debris still remains at the Site but the current property owner has committed to removing this material and disposing it an approved solid waste landfill prior to the real estate transaction being completed.

The field screening results are summarized on **Table 1** and the soil sampling locations are displayed on **Figure 1**. Photographic documentation of the soil excavation activities is included in **Appendix B**.

Background Soil Sampling

IWM Consulting obtained three (3) background surface soil samples (Background NE, Background NW, and Background SW) from the Site on October 20, 2008. The soil samples were obtained from the northeast, northwest, and southwest portions of the Site and were submitted for laboratory analysis of Arsenic using SW846 Method 6010. Arsenic was the only constituent detected at the Site that consistently was above the Risk Integrated System of Closure Residential Default Closure Level (RISC-RDCL). Therefore, background surface soil samples were obtained to document and establish typical arsenic concentrations for this Site.

Soil Analytical Results

Five grab soil samples (SS-1 through SS-5) were obtained from the native soil located above the trash and debris layer and five grab soil samples (Stockpile 1 through Stockpile 5) were obtained from the stockpiled, segregated native sandy soil (after passing through the power screener). Five grab soil



samples (Base 1 through Base 5) were obtained from the base of the excavation and eleven grab soil samples (Sidewall 1 through Sidewall 11) were obtained from the sidewalls of the excavation. One duplicate soil sample and one matrix spike/matrix spike duplicate (MS/MSD) soil sample were obtained as part of the project quality assurance/quality control measures. All of the soil samples were submitted for laboratory analysis of TPH-GRO, TPH-ERO, and RCRA-8 Metals.

All of the soil samples obtained from the soil located above the trash/debris layer and from the base and sidewalls of the excavation had adsorbed TPH-GRO, TPH-ERO, barium, cadmium, chromium, lead, mercury, selenium, and silver concentrations less than the corresponding RISC RDCL. Three soil samples (Stockpile 1, Stockpile 4, and Stockpile 5) obtained from the stockpiled, segregated native sandy soil (after passing through the power screener) had adsorbed TPH-GRO, TPH-ERO, barium, cadmium, chromium, lead, mercury, selenium, and silver concentrations less than the corresponding RISC RDCL.

Two soil samples (Stockpile 2 and Stockpile 3) obtained from the stockpiled, segregated native sandy soil had adsorbed chemicals of concern (COC) concentrations exceeding the corresponding RISC RDCL. Specifically, soil sample Stockpile 2 had adsorbed lead and mercury concentrations in excess of the corresponding RISC RDCL and soil sample Stockpile 3 had adsorbed TPH-ERO and lead concentrations in excess of the corresponding RISC RDCL. All of the remaining COCs had adsorbed concentrations less than the corresponding RISC RDCL.

Twenty-five (25) of the twenty-six (26) confirmatory soil samples had adsorbed arsenic concentrations in excess of the corresponding RISC RDCL and nineteen (19) of the confirmatory soil samples had arsenic concentrations in excess of the corresponding RISC Industrial Default Closure Level (IDCL). However, all of the soil samples had adsorbed arsenic concentrations less than the corresponding RISC Industrial Default Soil Direct Contact level. IWM Consulting evaluated this data and discussed the results with representatives from the Indiana Brownfield Program and both parties agreed that the elevated arsenic concentrations observed at the Site are likely within typical background concentrations for naturally occurring arsenic. Consequently, it was determined that three (3) background surface soil samples should be obtained at the Site in order to document background adsorbed arsenic concentrations.

Two (Background NE and Background SW) of the three background surface soil samples had adsorbed arsenic concentrations in excess of the corresponding RISC RDCL and RISC IDCL. All of the soil analytical results are summarized in **Table 2** and the soil sampling locations are displayed on **Figure 1**. The laboratory analytical reports are included in **Appendix C.**

Conclusions

Based on the results of the soil excavation activities completed at the Site in September and October 2008, the following conclusions have been developed:

- Trash and debris was present in the subsurface of the swale located in the central portion of the Site at depths ranging between 2 and 8 feet BLS. All of the trash/debris was removed from the subsurface in this area of the Site and segregated from the native sandy soil. The trash and debris is currently temporarily stockpiled onsite and the current property owner has committed to removing the stockpiled trash/debris before the real estate transaction is completed. The excavation remains open at this time and has not been backfilled.
- A total of 112 soil samples were obtained during excavation activities and field screened with a PID and FID. All of the soil samples with the exception of one had PID or FID readings less than



5 ppmv. This soil sample was obtained from the stockpiled, segregated native sandy soil. This stockpile is currently located south of the existing excavation.

- A total of twenty-six (26) confirmatory soil samples were obtained for laboratory analysis of TPH-ERO, TPH-GRO, and RCRA-8 Metals. Twenty-four (24) of the twenty-six (26) soil samples had adsorbed TPH-GRO, TPH-ERO, barium, cadmium, chromium, lead, mercury, selenium, and silver concentrations less than the corresponding RISC RDCL.
- Two soil samples (Stockpile 2 and Stockpile 3) obtained from the stockpiled, segregated native sandy soil currently located south of the excavation had adsorbed COC concentrations in excess of the RISC RDCL. Specifically, soil sample Stockpile 2 had adsorbed lead and mercury concentrations in excess of the corresponding RISC RDCL and soil sample Stockpile 3 had adsorbed TPH-ERO and lead concentrations in excess of the corresponding RISC RDCL. All of the remaining COCs had adsorbed concentrations less than the corresponding RISC RDCL.
- Twenty-five (25) of the twenty-six (26) confirmatory soil samples had adsorbed arsenic concentrations in excess of the corresponding RISC RDCL and nineteen (19) of the confirmatory soil samples had arsenic concentrations in excess of the corresponding RISC Industrial Default Closure Level (IDCL).
- Three (3) background surface soil samples were obtained for laboratory analysis of arsenic. Two (2) of the three (3) background surface soil samples had adsorbed arsenic concentrations in excess of the corresponding RISC IDCL.
- Based on the results of the confirmatory analytical soil samples and the background soil samples, it has been determined that the adsorbed arsenic concentrations observed at the Site are indicative of background metal concentrations that naturally occur in unconsolidated deposits throughout the Midwestern United States and are not necessarily indicative of a hazardous waste spill/release.
- Although two (2) soil samples obtained from the stockpiled, segregated native sandy soil had
 either adsorbed TPH-ERO, lead, or mercury concentrations in excess of the corresponding RISC
 RDCL, the corresponding average concentrations are less than the corresponding RISC RDCL.
 Therefore, as long as the soil remains onsite, additional soil remediation activities are not
 warranted at the Site.
- Although a significant amount of trash and debris was located throughout the subsurface of the swale located in the central portion of the Site, site observations and confirmatory soil analytical results indicate that this area of the Site has not been adversely impacted from a hazardous waste spill/release. The excavation extended to depths beyond that native soil/trash interface and no additional trash/debris is known to exist at the Site.

Recommendations

Based on the results of the soil excavation activities completed at the Site in September and October 2008, the following recommendations have been developed:

• The stockpiled trash/debris should be removed from the Site as soon as possible and disposed at an approved solid waste landfill.



- The excavation remains open at this time and will remain open until site development activities
 occur at the Site. Once the excavation is backfilled, the onsite developer should ensure that the
 backfilled excavation meets the required geotechnical compaction requirements for the site
 development activities.
- All of the stockpiled, segregated native sandy soil should remain onsite during development activities or be characterized through sample collection and laboratory analysis if the material must be transported and disposed offsite.
- The GLCDC should request a Comfort Letter from the Indiana Brownfield Program in order to request an exemption of liability as a Bona Fide Prospective Purchaser (BFPP).

Should you have any questions regarding this Soil Excavation Summary Report or require additional information, please contact IWM Consulting at (317) 347-1111.

Sincerely,

IWM CONSULTING GROUP, LLC

Patrick E. Rohan, CHMM

Project Manager

Bradley E. Gentry, LPG Senior Project Manager

cc: Jan Pels, USEPA Region V

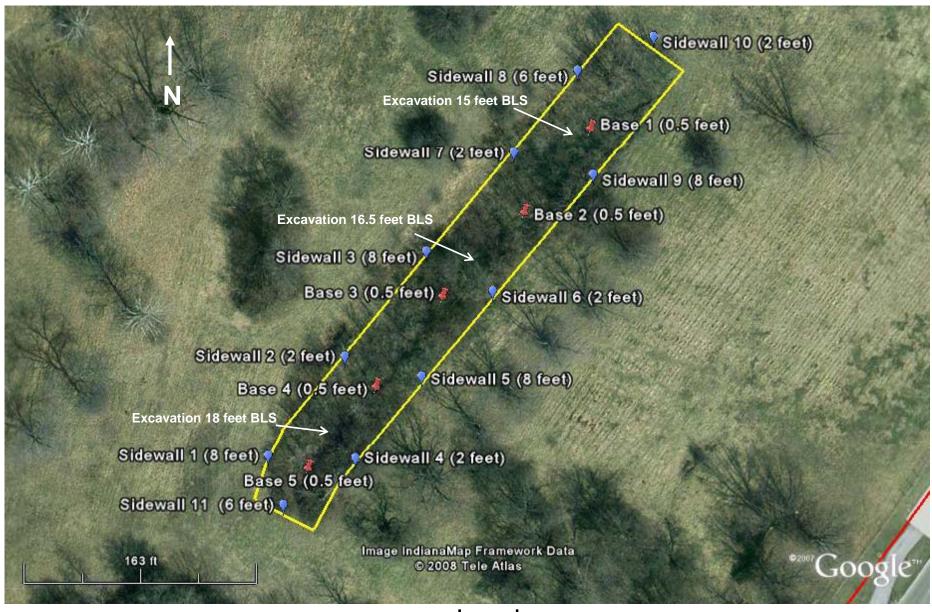
Andrea Robertson, Indiana Brownfield Program



Figure



Figure 1 – Excavation and Soil Sample Location Map



26.0 Acre Vacant Lot 2600 Duncan Road Lafayette, Indiana

Legend:

- Excavated Area





- Sidewall Sample Location



Tables



TABLE 1 FIELD SCREENING RESULTS 26-ACRE VACANT LOT 2600 DUNCAN ROAD LAFAYETTE, INDIANA

				DID
G 1 TD	D . G . 1.1	*	FID Reading	PID
Sample ID	Date Sampled	Location	(ppmv)	Reading
	212112222			(ppmv)
FS1	9/24/2008	NEC of excavation	0	0
FS2	9/24/2008	80' S. of NEC of excavation	0	0
FS3	9/24/2008	120' S. of NEC of excavation	0	0
FS4	9/24/2008	160' S. of NEC of excavation	0	0
FS5	9/24/2008	200' S. of NEC of excavation	0	0
FS6	9/24/2008	240' S. of NEC of excavation	0	0
FS7	9/24/2008	280' S. of NEC of excavation	0	0
FS8	9/24/2008	320' S. of NEC of excavation	0	0
FS9	9/24/2008	360' S. of NEC of excavation	0	0
FS10	9/24/2008	380' S. of NEC of excavation	0	0
FS11	9/24/2008	Base, NEC of excavation	0	0
FS12	9/25/2008	Stockpile	0	0
FS13	9/25/2008	Stockpile	0	0
FS14	9/25/2008	Stockpile	0	0
FS15	9/25/2008	Stockpile	0	0
FS16	9/25/2008	Stockpile	0	0
FS17	9/25/2008	Stockpile	0	0
FS18	9/25/2008	Stockpile	0	0
FS19	9/25/2008	Stockpile	0	0
FS20	9/25/2008	Stockpile	0	0
FS21	9/25/2008	Stockpile	0	0
FS22	9/25/2008	Stockpile	0	0
FS23	9/25/2008	Stockpile	0	0
FS24	9/25/2008	Base, 100' S. of NEC of	0	0
FS25	9/26/2008	Stockpile	0	0
FS26	9/26/2008	Base, 110' S. of NEC of	0	0
FS27	9/26/2008	Stockpile	0	0
FS28	9/26/2008	Stockpile	0	0
FS29	9/26/2008	Stockpile	0	0
FS30	9/26/2008	Stockpile	0	0
FS31	9/26/2008	Stockpile	0	0
FS32	9/27/2008	Stockpile	0	0
FS33	9/27/2008	Stockpile	0	0
FS34	9/27/2008	Stockpile	0	0
FS35	9/27/2008	Stockpile	0	0
FS36	9/27/2008	Stockpile	0	0
FS37	9/27/2008	Stockpile	0	0
FS38	9/27/2008	Stockpile	0	0
FS39	9/27/2008	Stockpile	0	0
FS40	9/30/2008	Stockpile	0	0
FS41	9/30/2008	Stockpile	0	3.8
FS42	9/30/2008	Stockpile	0	4.5
FS43	9/30/2008	Stockpile	4	12.1
FS44	9/30/2008	Stockpile	3	3.7
FS45	9/30/2008	Stockpile	0	3.8
FS46	9/30/2008	Stockpile	0	3.2
FS47	10/1/2008	Stockpile	0	0
FS48	10/1/2008	Stockpile	0	0
FS49	10/1/2008	Stockpile	0	0
FS50	10/1/2008	Stockpile	0	0
FS51	10/1/2008	Stockpile	0	0
FS52	10/1/2008	Stockpile	0	0
FS53	10/1/2008	Stockpile	0	0
FS54	10/1/2008	Stockpile	0	0
FS55	10/1/2008	Stockpile	0	0
FS56	10/1/2008	Stockpile	0	0
		1		

a 1 15	5 . 6		FID	PID
Sample ID	Date Sampled	Location	Reading	Reading
70.55	10/1/2000	~	(ppmv)	(ppmv)
FS57	10/1/2008	Stockpile	0	0
FS58	10/1/2008	Stockpile	0	0
FS59	10/2/2008	Stockpile	0	0
FS60	10/2/2008	Stockpile	0	0
FS61	10/2/2008	Stockpile	0	0
FS62	10/2/2008	Stockpile	0	0
FS63	10/2/2008	Stockpile	0	0
FS64	10/2/2008	Stockpile	0	0
FS65	10/2/2008	Stockpile	0	0
FS66	10/3/2008	Stockpile	0	0
FS67	10/3/2008	Stockpile	0	0
FS68	10/3/2008	Stockpile	0	0
FS69	10/3/2008	Stockpile	0	0
FS70	10/3/2008	Stockpile	0	0
FS71	10/3/2008	Stockpile	0	0
FS72	10/3/2008	Stockpile	0	0
FS73	10/3/2008	Stockpile	0	0
FS74	10/4/2008	Stockpile	0	0
FS75	10/4/2008	Stockpile	0	0
FS76	10/4/2008	Stockpile	0	0
FS77	10/4/2008	Stockpile	0	0
FS78	10/4/2008	Stockpile	0	0
FS79	10/6/2008	Stockpile	0	0
FS80	10/6/2008	Stockpile	0	0
FS81	10/6/2008	Stockpile	0	0
FS82	10/6/2008		0	0
FS83		Stockpile	0	0
FS84	10/6/2008 10/6/2008	Stockpile Stockpile	0	0
-		_	0	0
FS85	10/6/2008	Stockpile		
FS86	10/6/2008	Stockpile	0	0
FS87	10/6/2008	Stockpile	0	0
FS88	10/6/2008	Stockpile	0	0
FS89	10/6/2008	Stockpile	0	0
FS90	10/6/2008	Stockpile	0	0
FS91	10/7/2008	Stockpile	0	0
FS92	10/7/2008	Stockpile	0	0
FS93	10/7/2008	Stockpile	0	0
FS94	10/7/2008	Stockpile	0	0
FS95	10/7/2008	Stockpile	0	0
FS96	10/7/2008	Stockpile	0	0
FS97	10/7/2008	Stockpile	0	0
FS98	10/7/2008	Stockpile	0	0
FS99	10/7/2008	Stockpile	0	0
FS100	10/7/2008	Stockpile	0	0
FS101	10/8/2008	Stockpile	0	0
FS102	10/8/2008	Stockpile	0	0
FS103	10/8/2008	Stockpile	0	0
FS104	10/8/2008	Stockpile	0	0
FS105	10/8/2008	Stockpile	0	0
FS106	10/8/2008	Stockpile	0	0
FS107	10/8/2008	Stockpile	0	0
FS108	10/8/2008	Stockpile	0	0
FS109	10/8/2008	Stockpile	0	0
FS110	10/8/2008	Stockpile	0	0
FS111	10/8/2008	Stockpile	0	0
FS112	10/8/2008	Stockpile	0	0
	•			

FID: Flame-ionization detector

PID: Photo-ionization detector equipped with a 10.2 ev bulb All soil samples were obtained by IWM Consulting personnel



Table 2 Soil Analytical Results - Soil Excavation Project 26-Acre Vacant Lot 2600 Duncan Road Lafayette, Indiana

Soil Sample Identification	Date	Depth (feet BLS)	FID (ppmv)	PID (ppmv)	TPH-GRO (mg/kg)	TPH-ERO (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
SS-1	9/24/2008	0.2	0	0	<1.0	23.7	7.7	70.1	<2.2	11.3	23.8	<0.38	<2.2	<2.2
SS-2	9/24/2008	0.2	0	0	< 0.97	12.6	6.1	54.2	<2.0	9.7	16.3	< 0.35	<2.0	<2.0
SS-3	9/24/2008	0.2	0	0	<1.0	76.5	6.5	52.2	<2.2	9.8	12.1	< 0.36	<2.2	<2.2
SS-4	9/24/2008	0.2	0	0	<1.1	21.8	8.2	60.9	<2.0	14.0	20.7	< 0.36	<2.0	<2.0
SS-5	9/24/2008	0.2	0	0	<1.1	19.9	8.7	55.5	<2.2	11.9	62.9	< 0.36	<2.2	<2.2
Base 1	9/25/2008	0.5 ¹	0	0	<1.3	<11.1	9.1	85.8	<2.1	14.4	14.1	< 0.36	<2.1	<2.1
Base 2	9/26/2008	0.5^{1}	0	0	< 0.98	<10.2	4.3	17.1	<1.9	5.9	3.1	< 0.33	<1.9	<1.9
Base 3	9/29/2008	0.5 ¹	0	0	< 0.94	<10.3	4.9	14.1	<2.0	6.5	3.9	< 0.36	<2.0	<2.0
Base 4	9/29/2008	0.5 ¹	0	0	<1.1	<10.4	4.9	25.4	<1.9	6.1	20.5	< 0.33	<1.9	<1.9
Base 5	9/30/2008	0.5 ¹	0	4.2	<1.0	<10.3	4.4	13.1	<1.9	8.5	5.5	< 0.34	<1.9	<1.9
Stockpile 1	9/25/2008	NA	0	0	<1.0	68.9	7.7	50.0	<2.0	31.2	59.0	< 0.35	<2.0	<2.0
Stockpile 2	9/26/2008	NA	0	0	<1.2	41.5	13.7	86.9	<2.1	35.6	171	5.9	<2.1	<2.1
Stockpile 3	9/30/2008	NA	4	45.9	<1.2	232	7.5	83.3	<2.1	19.6	92.4	< 0.37	<2.1	<2.1
Stockpile 4	10/3/2008	NA	0	0	<1.0	31.8	7.9	69.6	<2.0	12.9	44.5	< 0.36	<2.0	<2.0
Stockpile 5	10/8/2008	NA	0	0	<1.1	15.1	7.5	51.5	<1.9	11.1	18.6	< 0.36	<1.9	<1.9
Sidewall 1	10/2/2008	8	0	0	<1.2	<10.2	3.8	12.0	<2.0	8.3	4.3	< 0.34	<2.0	<2.0
Sidewall 2	10/2/2008	2	0	0	< 0.96	<11.3	8.8	99.5	<2.2	16.6	13.7	< 0.39	<2.2	<2.2
Sidewall 3	10/2/2008	8	0	0	< 0.97	<10.2	4.5	11.7	<2.0	4.5	3.4	< 0.35	<2.0	<2.0
Sidewall 4	10/3/2008	2	0	0	<1.2	12.2	5.9	75.2	<2.1	9.8	13.9	< 0.35	<2.1	<2.1
		Dupli	cate		<1.1	11.2	6.2	74.4	<2.0	10.6	12.0	< 0.35	<2.0	<2.0
Sidewall 5	10/3/2008	8	0	0	<1.0	<10.5	9.3	33.8	<1.9	16.0	36.3	< 0.35	<1.9	<1.9
Sidewall 6	10/3/2008	2	0	0	<1.1	16.8	5.8	86.0	<2.1	10.6	14.3	< 0.36	<2.1	<2.1
Sidewall 7	10/6/2008	2	0	0	< 0.99	32.4	17.0	53.8	<2.1	17.4	17.1	< 0.37	<2.1	<2.1
Sidewall 8	10/6/2008	6	0	0	< 0.92	26.4	6.6	58.9	<2.1	13.3	22.9	< 0.34	<2.1	<2.1
Sidewall 9	10/6/2008	7	0	0	<1.1	<10.3	5.0	16.8	<2.0	8.7	4.9	< 0.34	<2.0	<2.0
Sidewall 10	10/6/2008	2	0	0	<1.4	<10.9	7.1	80.6	<2.2	12.7	12.0	< 0.36	<2.2	<2.2
Sidewall 11	10/6/2008	6	0	0	<1.0	25.9	6.7	44.3	<1.9	9.8	16.8	< 0.34	<1.9	<1.9
Background NE	10/20/2008	0.33	NA	NA	NA	NA	8.4	NA	NA	NA	NA	NA	NA	NA
Background NW	10/20/2008	0.33	NA	NA	NA	NA	2.8	NA	NA	NA	NA	NA	NA	NA
Background SW	10/20/2008	0.33	NA	NA	NA	NA	8.6	NA	NA	NA	NA	NA	NA	NA
RISC R	esidential De	efault Clos	ure Levels (mg/kg)		25	80	3.900	1,600	7.500	38.000	81.000	2.100	5.200	31.000
RISC Resider	ntial - Default	Soil Direc	t Contact Levels (mg/kg)		NA	NA	3.900	63,000	12.000	430.000	400.000	100.000	1,700	1,700
			ıre Levels (mg/kg)		330	1,000	5.800	10,000	77.000	120.000	230.000	32.000	53.000	87.000
RISC Industr	rial - Default	Soil Direct	Contact Levels (mg/kg)		NA	NA	20.000	230,000	990.000	650.000	1,300	470.000	7,800	7,800

Notes:

All soil samples collected by IWM Consulting personnel and analyzed at Pace Analytical located in Indianapolis, Indiana

1 = Sample depth corresponds to 0.5 feet below the maximum depth of the excavation, which ranged between 15 and 18 feet BLS

TPH-ERO: Total petroleum hydrocarbons - Extended range organics

TPH-GRO: Total petroleum hydrocarbons - Gasoline range organics

TPH-ERO and GRO were analyzed using SW-846 Method 8015M

Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, & Silver were analyzed using SW-846 Method 6010

Mercury were analyzed using SW-846 Method 6010

Bold numbers indicate concentrations exceeding RISC Residential Default Closure Levels

Bold numbers and shaded cells indicate concentrations equal to or exceeding RISC Industrial Default Closure Levels

PID: Photo-ionization Detector FID: Flame Ionization Detector

ppmv: Parts per million vapor

NA - Not Applicable

All soil samples were analyzed on a dry weight basis

BLS: Below land surface



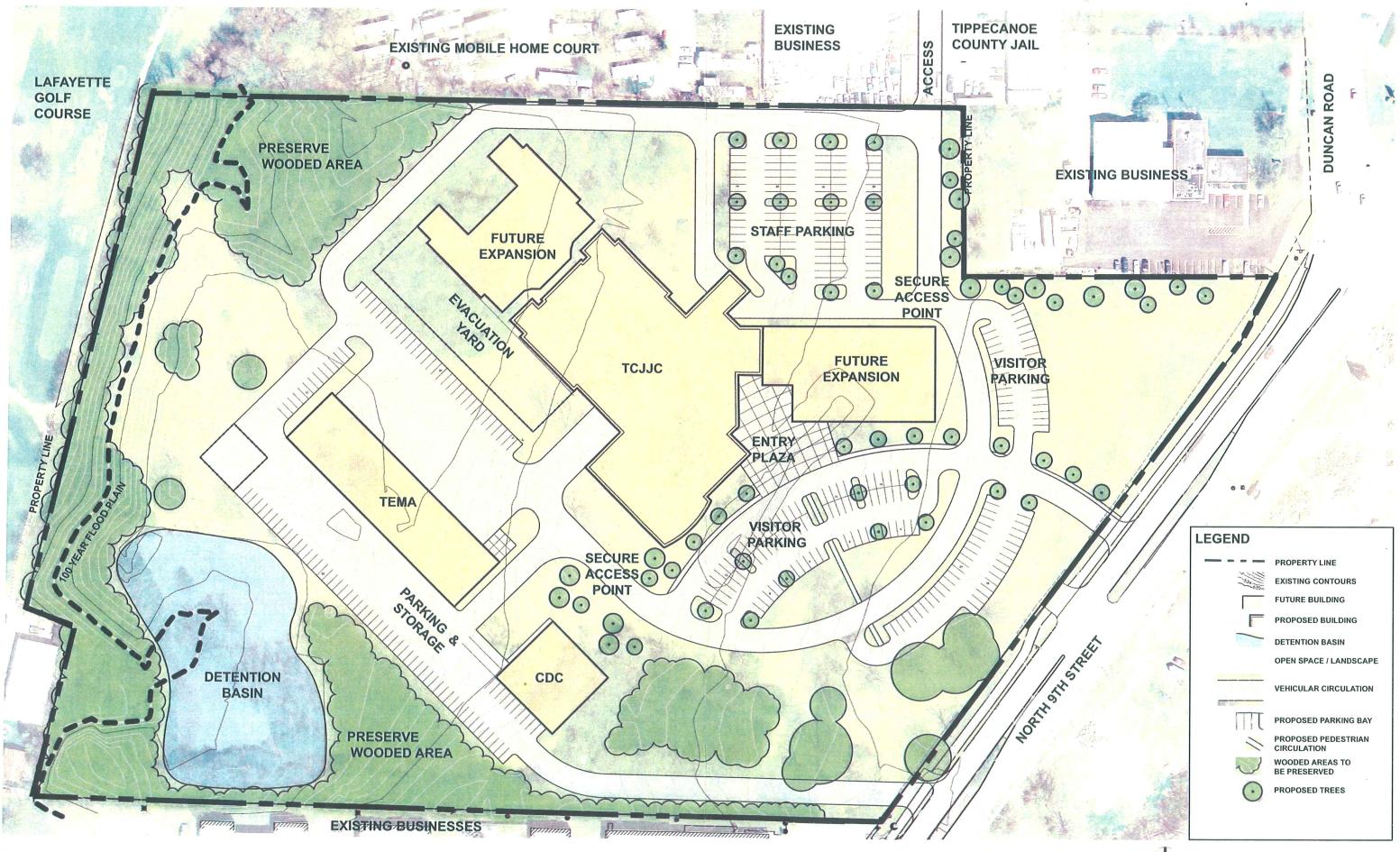
Appendices



Appendix A

Proposed Master Plan – Juvenile Justice Center





Tippecanoe County Juvenile Justice Center - Master Plan Option 2

SCALE 1"=50"



Appendix B Photographic Documentation





1. The excavation area in progress facing south.



3. An example of removed materials, including a water heater, barbed wire, and an empty 55-gallon drum.



5. An example of removed material after sorting, including water heaters and a tire.



2. The excavation area in progress facing south.



4. An example of removed material after sorting, including tires, metal implements, and piping.



6. An example of removed material after sorting, including miscellaneous plastic, piping and wiring.



7. The excavation area in progress facing north.



9. An example of removed materials after sorting.



11. The excavation area in progress facing northeast.



8. The power screener used to sort trash from soil.



10. An example of stockpiled soil after sorting.



12. An example of removed materials after sorting.



13. The excavation area in progress facing south.



15. Looking north across the southern extent of the excavation.



17. An example of stockpiled soil after sorting.



14. An example of discharged, stockpiled soil after passing through the power screener.



16. The excavation area in progress facing south.



18. An example of stockpiled soil after sorting.

Appendix C Laboratory Analytical Reports





September 30, 2008

Mr. Brad Gentry IWM Consulting 7428 Rockville Road Indianapolis, IN 46214

RE: Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

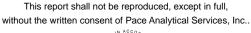
kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures



REPORT OF LABORATORY ANALYSIS







SAMPLE SUMMARY

Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

Lab ID	Sample ID	Matrix	Date Collected	Date Received	
5019198001	SS1	Solid	09/24/08 15:00	09/24/08 16:48	
5019198002	SS2	Solid	09/24/08 15:10	09/24/08 16:48	
5019198003	SS3	Solid	09/24/08 15:20	09/24/08 16:48	
5019198004	SS4	Solid	09/24/08 15:30	09/24/08 16:48	
5019198005	SS5	Solid	09/24/08 15:40	09/24/08 16:48	





SAMPLE ANALYTE COUNT

Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5019198001		ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2
5019198002	SS2	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2
5019198003	SS3	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2
5019198004	SS4	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2
5019198005	SS5	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2





Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

Sample: SS1	Lab ID: 50191980	01 Collected: 09/24/	08 15:00	Received: 09	9/24/08 16:48	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepar	ation Me	thod: EPA 3546			
TPH-ERO	23.7 mg/kg	10.9	1	09/25/08 06:15	09/27/08 13:0	9	
n-Pentacosane (S)	81 %	45-170	1	09/25/08 06:15	09/27/08 13:0	9 629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.0	1		09/27/08 14:4	1	
4-Bromofluorobenzene (S)	140 %	40-159	1		09/27/08 14:4	1 460-00-4	
6010 MET ICP	Analytical Method: E	PA 6010 Preparation Me	thod: EP	A 3050			
Arsenic	7.7 mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:2	9 7440-38-2	
Barium	70.1 mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:2	9 7440-39-3	
Cadmium	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:2	9 7440-43-9	
Chromium	11.3 mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:2	9 7440-47-3	
Lead	23.8 mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:2	9 7439-92-1	
Selenium	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:2	9 7782-49-2	
Silver	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:2	9 7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Me	thod: EP	A 7471			
Mercury	ND mg/kg	0.38	1	09/25/08 00:00	09/26/08 15:5	8 7439-97-6	
Percent Moisture	Analytical Method: A	STM D2974-87					
Percent Moisture	8.1 %	0.10	1		09/25/08 16:4	2	

Date: 09/30/2008 02:33 PM

REPORT OF LABORATORY ANALYSIS

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Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

Sample: SS2	Lab ID: 50191980	02 Collected: 09/24/	08 15:10	Received: 09	9/24/08 16:48	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepar	ation Me	thod: EPA 3546			
TPH-ERO	12.6 mg/kg	10.8	1	09/25/08 06:15	09/27/08 13:2	7	
n-Pentacosane (S)	61 %	45-170	1	09/25/08 06:15	09/27/08 13:2	7 629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	0.97	1		09/27/08 15:29	5	
4-Bromofluorobenzene (S)	128 %	40-159	1		09/27/08 15:2	5 460-00-4	
6010 MET ICP	Analytical Method: E	PA 6010 Preparation Me	thod: EP	A 3050			
Arsenic	6.1 mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:3	5 7440-38-2	
Barium	54.2 mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:3	5 7440-39-3	
Cadmium	ND mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:3	5 7440-43-9	
Chromium	9.7 mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:3	5 7440-47-3	
Lead	16.3 mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:3	5 7439-92-1	
Selenium	ND mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:3	5 7782-49-2	
Silver	ND mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:3	5 7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Me	thod: EP	A 7471			
Mercury	ND mg/kg	0.35	1	09/25/08 00:00	09/26/08 16:02	2 7439-97-6	
Percent Moisture	Analytical Method: A	STM D2974-87					
Percent Moisture	7.5 %	0.10	1		09/25/08 16:42	2	

Date: 09/30/2008 02:33 PM

REPORT OF LABORATORY ANALYSIS

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Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

Sample: SS3	Lab ID: 50191980	03 Collected: 09/24/	08 15:20	Received: 09	9/24/08 16:48	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepar	ation Me	thod: EPA 3546			
TPH-ERO	76.5 mg/kg	11.1	1	09/25/08 06:15	09/27/08 11:5	5	
n-Pentacosane (S)	156 %	45-170	1	09/25/08 06:15	09/27/08 11:5	5 629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.0	1		09/28/08 15:4	2	
4-Bromofluorobenzene (S)	139 %	40-159	1		09/28/08 15:4	2 460-00-4	
6010 MET ICP	Analytical Method: E	PA 6010 Preparation Me	thod: EP	A 3050			
Arsenic	6.5 mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:5	2 7440-38-2	
Barium	52.2 mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:5	2 7440-39-3	
Cadmium	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:5	2 7440-43-9	
Chromium	9.8 mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:5	2 7440-47-3	
Lead	12.1 mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:5	2 7439-92-1	
Selenium	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:5	2 7782-49-2	
Silver	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 18:5	2 7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Me	thod: EP	A 7471			
Mercury	ND mg/kg	0.36	1	09/25/08 00:00	09/26/08 16:0	4 7439-97-6	
Percent Moisture	Analytical Method: A	STM D2974-87					
Percent Moisture	9.8 %	0.10	1		09/25/08 16:4	3	

Date: 09/30/2008 02:33 PM

REPORT OF LABORATORY ANALYSIS

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Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

Sample: SS4	Lab ID: 501919800	04 Collected: 09/24/	08 15:30	0 Received: 09	9/24/08 16:48 I	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results Ur	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EF	PA 8015 Mod Ext Prepar	ation Me	ethod: EPA 3546			
TPH-ERO	21.8 mg/kg	11.1	1	09/25/08 06:15	09/27/08 13:46	3	
n-Pentacosane (S)	67 %	45-170	1	09/25/08 06:15	09/27/08 13:46	629-99-2	
8015 GRO 5035	Analytical Method: EF	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.1	1		09/27/08 15:47	•	
4-Bromofluorobenzene (S)	144 %	40-159	1		09/27/08 15:47	460-00-4	
6010 MET ICP	Analytical Method: EF	PA 6010 Preparation Met	thod: EF	PA 3050			
Arsenic	8.2 mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:58	7440-38-2	
Barium	60.9 mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:58	7440-39-3	
Cadmium	ND mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:58	7440-43-9	
Chromium	14.0 mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:58	7440-47-3	
Lead	20.7 mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:58	7439-92-1	
Selenium	ND mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:58	7782-49-2	
Silver	ND mg/kg	2.0	1	09/25/08 00:00	09/25/08 18:58	7440-22-4	
7471 Mercury	Analytical Method: EF	PA 7471 Preparation Met	thod: EF	PA 7471			
Mercury	ND mg/kg	0.36	1	09/25/08 00:00	09/26/08 16:05	7439-97-6	
Percent Moisture	Analytical Method: AS	STM D2974-87					
Percent Moisture	10.2 %	0.10	1		09/25/08 16:43	3	

Date: 09/30/2008 02:33 PM

REPORT OF LABORATORY ANALYSIS

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Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

Sample: SS5	Lab ID: 50191980	05 Collected: 09/24/	08 15:40	Received: 09	9/24/08 16:48	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepar	ation Me	thod: EPA 3546			
TPH-ERO	19.9 mg/kg	11.1	1	09/25/08 06:15	09/27/08 12:13	3	
n-Pentacosane (S)	75 %	45-170	1	09/25/08 06:15	09/27/08 12:13	3 629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.1	1		09/27/08 16:09	9	
4-Bromofluorobenzene (S)	148 %	40-159	1		09/27/08 16:09	9 460-00-4	
6010 MET ICP	Analytical Method: E	PA 6010 Preparation Me	thod: EP	A 3050			
Arsenic	8.7 mg/kg	2.2	1	09/25/08 00:00	09/25/08 19:03	3 7440-38-2	
Barium	55.5 mg/kg	2.2	1	09/25/08 00:00	09/25/08 19:03	3 7440-39-3	
Cadmium	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 19:03	3 7440-43-9	
Chromium	11.9 mg/kg	2.2	1	09/25/08 00:00	09/25/08 19:03	3 7440-47-3	
Lead	62.9 mg/kg	2.2	1	09/25/08 00:00	09/25/08 19:03	3 7439-92-1	
Selenium	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 19:03	3 7782-49-2	
Silver	ND mg/kg	2.2	1	09/25/08 00:00	09/25/08 19:03	3 7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Me	thod: EP	A 7471			
Mercury	ND mg/kg	0.36	1	09/25/08 00:00	09/26/08 16:0	7 7439-97-6	
Percent Moisture	Analytical Method: A	STM D2974-87					
Percent Moisture	9.6 %	0.10	1		09/25/08 16:43	3	

Date: 09/30/2008 02:33 PM

REPORT OF LABORATORY ANALYSIS





Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

 QC Batch:
 MPRP/3489
 Analysis Method:
 EPA 6010

 QC Batch Method:
 EPA 3050
 Analysis Description:
 6010 MET

 Associated Lab Samples:
 5019198001, 5019198002, 5019198003, 5019198004, 5019198005

METHOD BLANK: 214620 Matrix: Solid

Associated Lab Samples: 5019198001, 5019198002, 5019198003, 5019198004, 5019198005

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND ND	2.0	09/25/08 18:18	
Barium	mg/kg	ND	2.0	09/25/08 18:18	
Cadmium	mg/kg	ND	2.0	09/25/08 18:18	
Chromium	mg/kg	ND	2.0	09/25/08 18:18	
Lead	mg/kg	ND	2.0	09/25/08 18:18	
Selenium	mg/kg	ND	2.0	09/25/08 18:18	
Silver	mg/kg	ND	2.0	09/25/08 18:18	

LABORATORY CONTROL SAMPLE: 214621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.7	105	85-118	
Barium	mg/kg	50	49.6	99	84-118	
Cadmium	mg/kg	50	50.2	100	83-115	
Chromium	mg/kg	50	50.1	100	82-117	
Lead	mg/kg	50	51.2	102	83-116	
Selenium	mg/kg	50	47.6	95	82-116	
Silver	mg/kg	25	21.9	88	77-123	

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21462	2		214623							
Parameter	50 Units	019192012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	 mg/kg	5.5	61.8	61.2	52.4	56.5	76	83	70-127	7	20	
Barium	mg/kg	126	61.8	61.2	229	174	167	79	60-140	27	20	1d,2d
Cadmium	mg/kg	ND	61.8	61.2	44.2	48.1	72	79	65-120	8	20	
Chromium	mg/kg	13.8	61.8	61.2	60.4	67.0	75	87	60-130	10	20	
Lead	mg/kg	10	61.8	61.2	55.3	59.6	73	81	60-140	7	20	
Selenium	mg/kg	ND	61.8	61.2	42.6	46.1	69	75	60-130	8	20	
Silver	mg/kg	ND	30.9	30.7	20.0	21.9	65	71	70-130	9	20	M3

Date: 09/30/2008 02:33 PM



Max

RPD

Qual

RPD



QUALITY CONTROL DATA

In. Lafayette 2600 Duncan Rd. Project:

Pace Project No.: 5019198

Date: 09/30/2008 02:33 PM

QC Batch: MERP/1812 Analysis Method: EPA 7471 QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019198001, 5019198002, 5019198003, 5019198004, 5019198005

METHOD BLANK: 214633 Matrix: Solid

Associated Lab Samples: 5019198001, 5019198002, 5019198003, 5019198004, 5019198005

> Blank Reporting

Parameter Result Limit Qualifiers Units Analyzed

ND 0.33 09/26/08 15:29 Mercury mg/kg

LABORATORY CONTROL SAMPLE: 214634

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.50 100 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 214635 214636

MS MSD 5019192012 Spike Spike MS MSD MS MSD % Rec Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits

0.70 50-150 8 20 Mercury mg/kg ND .66 .61 0.65 103 101







Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

QC Batch: PMST/2948 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019198001, 5019198002, 5019198003, 5019198004, 5019198005

SAMPLE DUPLICATE: 215120

5018937001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 15.8 Percent Moisture 16.4 4 5

SAMPLE DUPLICATE: 215121

5019198005 Dup Max RPD RPD Parameter Units Result Result Qualifiers Percent Moisture % 9.6 9.1 6 5 R2

Date: 09/30/2008 02:33 PM REPORT OF LABORATORY ANALYSIS





Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

QC Batch: OEXT/9566 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5019198001, 5019198002, 5019198003, 5019198004, 5019198005

METHOD BLANK: 215254 Matrix: Solid

Associated Lab Samples: 5019198001, 5019198002, 5019198003, 5019198004, 5019198005

Blank Reporting

Parameter Units Result Limit Qualifiers Analyzed TPH-ERO mg/kg ND 10.0 09/27/08 07:36 n-Pentacosane (S) % 82 45-170 09/27/08 07:36

LABORATORY CONTROL SAMPLE: 215255

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers TPH-ERO mg/kg 83.3 57.8 69 41-139 n-Pentacosane (S) % 77 45-170

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 215256 215257

			MS	MSD								
	50	019216001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
TPH-ERO	mg/kg	26.1	108	108	83.6	355	53	304	40-146	124	20	M0,R1
n-Pentacosane (S)	%						77	79	45-170		20	

Date: 09/30/2008 02:33 PM





Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

QC Batch: GCV/5518 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 Solid GCV

Associated Lab Samples: 5019198001, 5019198002, 5019198004, 5019198005

METHOD BLANK: 216455 Matrix: Solid

Associated Lab Samples: 5019198001, 5019198002, 5019198004, 5019198005

Blank Reporting

ParameterUnitsResultLimitAnalyzedQualifiersGasoline Range Organicsmg/kgND1.009/27/08 11:42

4-Bromofluorobenzene (S) % 131 40-159 09/27/08 11:42

LABORATORY CONTROL SAMPLE: 216456

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Gasoline Range Organics	mg/kg	10	8.9	89	79-128	
4-Bromofluorobenzene (S)	%			143	40-159	

Date: 09/30/2008 02:33 PM





In. Lafayette 2600 Duncan Rd. Project:

Pace Project No.: 5019198

METHOD BLANK: 216466

QC Batch: GCV/5521 QC Batch Method:

EPA 8015 Mod Pur

Analysis Method: Analysis Description: EPA 8015 Mod Pur

8015 Solid GCV

Associated Lab Samples: 5019198003

Associated Lab Samples: 5019198003

Matrix: Solid

Blank Reporting Limit Parameter Units Result Qualifiers Analyzed Gasoline Range Organics ND 09/28/08 12:02 mg/kg 1.0 09/28/08 12:02

% 4-Bromofluorobenzene (S) 116 40-159

LABORATORY CONTROL SAMPLE: 216467

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Gasoline Range Organics mg/kg 10 9.0 90 79-128 4-Bromofluorobenzene (S) % 145 40-159

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 216468 216469 MSD MS 5019101001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Gasoline Range Organics mg/kg ND 12.3 12.3 5.1 5.7 36 41 40-135 12 20 M0 4-Bromofluorobenzene (S) % 123 135 40-159 20





QUALIFIERS

Project: In. Lafayette 2600 Duncan Rd.

Pace Project No.: 5019198

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

R2

1d	Matrix spike recovery is outside of control limits due to sample non-homogeneity.
2d	RPD is outside of control limits due to sample non-homogeneity.
MO	Matrix spike recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
R1	RPD value was outside control limits.

RPD value was outside control limits due to matrix interference

Date: 09/30/2008 02:33 PM



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately,

Pace Analytical www.pacelabs.com

190 Kush Treket

Section C

1184280 Pace Project No./ Lab I.D. DRINKING WATER (N/A) Samples Intact 8616125 SAMPLE CONDITIONS OTHER BI 185 8 -20250 GROUND WATER Residual Chlorine (Y/N) REGULATORYAGENCY 1 RCRA Requested Analysis Filtered (Y/N) STATE Site Location NPDES DATE UST Have Mehals ACCEPTED BY / AFFILIATION 9/21/6:18 KT/NONDELPRE ÌN/A tseT sisylsnA Other ユュ Ž Methanol Preservatives _EO_SS_SBN ИаОН BUDDAN ЮН Invoice Information: Company Name: [†]OS^zH Pace Quote Reference: Pace Project Manager: Pace Profile #. Unpreserved W 10 Address: Attention: # OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION Duncan Kee DATE OE:51 15:00 91:51 15:30 TIME COMPOSITE END/GRAB Z X DATE アンアンドア COLLECTED RELINQUISHED BY / AFFILIATION 2000 Ger Jr TIME COMPOSITE START なれらない DATE Donovan Section B Required Project Information: Brack (G=GRAB C=COMP) **39YT 3J9MA8** O Purchase Order No.: Project Number: 7 Ker roject Name: MATRIX CODE Report To: Copy To: . 학자유주유 유교 Matrix Codes MATRIX / CODE Drinking Water Water Waste Water Product Soll/Solid Oil Wipe Adr Adr Tissue Saentrue Timmangatu Dompany IUM Coush/Hing ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE 728 Reckvill aiana Dold Requested Dua Date TAT: CA SAMPLE ID Required Client Information 377-425-88 Required Client Information: ddress: Email To: 5 # M3TI ۲ ∞

mportant Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per man invoices not paid within 30 days.

SIGNATURE of SAMPLER:

01/01

F-ALL-Q-020rev.07, 15-May-2007

6

Page:

V DATE Signed 69/24/08

O° ni qmeT

Received on Ice (Y/N)

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98

Sample Condition Upon Receipt ace Analytical" Project # 5019198 Client Name: -Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: Custody Seal on Cooler/Box Present: yes Ū nø Seals intact: ves □ no Packing Material: Bubble Wrap M øther Bubble Bags ☐ None Thermometer Used Type of Ice, Wet Blue None Samples on ice, cooling process has begun Date and initials of person examining Biological Tissue is Frozen: Yes No Cooler Temperature contents: > Temp should be above freezing to 6°C Comments: TYES DNO DN/A 1. Chain of Custody Present: √ZYes □No Chain of Custody Filled Out: □N/A Chain of Custody Relinquished: Ø¥es □no □n/A Sampler Name & Signature on COC: JZIVes □No □N/A Samples Arrived within Hold Time: QYee □No □N/A terr Cores Short Hold Time Analysis (<72hr): □No □N/A □N/A ŻYes □No Rush Turn Around Time Requested: Sufficient Volume: ØYes □No □N/A Correct Containers Used: √□¥es □No □N/A 9. -Pace Containers Used: ☑Y9s □No □N/A Containers Intact: ÆYes □No □N/A 10. Filtered volume received for Dissolved tests □Yes □No □M/A5 11. 821¥es □No Sample Labels match COC: □N/A 112. -Includes date/time/ID/Analysis All containers needing preservation have been checked. ☐Yes ☐No KIN/A 13. All containers needing preservation are found to be in ☐Yes ☐No **MNY** compliance with EPA recommendation. Initial when Lot # of added ☐Yes ☐No exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) completed preservative Samples checked for dechlorination: □Yes □No ZN/A Headspace in VOA Vials (>6mm): □Yes □No (AVA) 15. Trip Blank Present: ☐Yes ☐No **ZNA** 16. Trip Blank Custody Seals Present ☐Yes ☐No 200 Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Field Data Required? Y / N Person Contacted: Date/Time: Comments/ Resolution: Project Manager Review:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Date:





October 10, 2008

Mr. Brad Gentry IWM Consulting 7428 Rockville Road Indianapolis, IN 46214

RE: Project: Duncan Rd

Pace Project No.: 5019276

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures







SAMPLE SUMMARY

Project: Duncan Rd Pace Project No.: 5019276

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5019276001	BASE 1	Solid	09/25/08 13:40	09/25/08 16:50
5019276002	STOCKPILE 1	Solid	09/25/08 15:00	09/25/08 16:50





SAMPLE ANALYTE COUNT

Project: Duncan Rd Pace Project No.: 5019276

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5019276001	BASE 1	ASTM D2974-87	ILP	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2
5019276002	STOCKPILE 1	ASTM D2974-87	ILP	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2





Project: Duncan Rd
Pace Project No.: 5019276

Sample: BASE 1	Lab ID: 50192760	001 Collected: 09/25/0	08 13:40	Received: 09	/25/08 16:50 N	//atrix: Solid	
Results reported on a "dry-weig	ıht" basis						
Parameters	Results U	Inits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepara	ation Me	thod: EPA 3546			
TPH-ERO	ND mg/kg	11.1	1	09/30/08 00:00	10/01/08 22:33		
n-Pentacosane (S)	59 %	45-170	1	09/30/08 00:00	10/01/08 22:33	629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.3	1		10/08/08 02:56		
4-Bromofluorobenzene (S)	133 %	40-159	1		10/08/08 02:56	460-00-4	
6010 MET ICP	Analytical Method: E	EPA 6010 Preparation Met	hod: EP	A 3050			
Arsenic	9.1 mg/kg	2.1	1	09/29/08 00:00	10/01/08 17:22	7440-38-2	
Barium	85.8 mg/kg	2.1	1	09/29/08 00:00	10/01/08 17:22	7440-39-3	
Cadmium	ND mg/kg	2.1	1	09/29/08 00:00	10/01/08 17:22	7440-43-9	
Chromium	14.4 mg/kg	2.1	1	09/29/08 00:00	10/01/08 17:22	7440-47-3	
Lead	14.1 mg/kg	2.1	1	09/29/08 00:00	10/01/08 17:22	7439-92-1	
Selenium	ND mg/kg	2.1	1	09/29/08 00:00	10/01/08 17:22	7782-49-2	
Silver	ND mg/kg	2.1	1	09/29/08 00:00	10/01/08 17:22	7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Met	hod: EP	A 7471			
Mercury	ND mg/kg	0.36	1	09/30/08 00:00	10/02/08 12:57	7439-97-6	
Percent Moisture	Analytical Method: A	STM D2974-87					
Percent Moisture	9.8 %	0.10	1		10/02/08 00:00		

Date: 10/10/2008 02:49 PM

REPORT OF LABORATORY ANALYSIS

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Project: Duncan Rd
Pace Project No.: 5019276

Sample: STOCKPILE 1	Lab ID: 5019	276002	Collected:	09/25/0	8 15:00	Received: 09	/25/08 16:50 N	Matrix: Solid	
Results reported on a "dry-weig	ght" basis								
Parameters	Results	Units	Report	Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Meth	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546							
TPH-ERO	68.9 mg	/kg		53.5	5	09/30/08 00:00	10/01/08 23:30		
n-Pentacosane (S)	96 %		45	5-170	5	09/30/08 00:00	10/01/08 23:30	629-99-2	
8015 GRO 5035	Analytical Meth	od: EPA 80	015 Mod Pur						
Gasoline Range Organics	ND mg	/kg		1.0	1		10/08/08 03:19		
4-Bromofluorobenzene (S)	131 %		40	0-159	1		10/08/08 03:19	460-00-4	
6010 MET ICP	Analytical Meth	od: EPA 60	010 Preparation	on Meth	nod: EPA	A 3050			
Arsenic	7.7 mg	/kg		2.0	1	09/29/08 00:00	10/01/08 17:28	7440-38-2	
Barium	50.0 mg	/kg		2.0	1	09/29/08 00:00	10/01/08 17:28	7440-39-3	
Cadmium	ND mg	/kg		2.0	1	09/29/08 00:00	10/01/08 17:28	7440-43-9	
Chromium	31.2 mg	/kg		2.0	1	09/29/08 00:00	10/01/08 17:28	7440-47-3	
Lead	59.0 mg	/kg		2.0	1	09/29/08 00:00	10/01/08 17:28	7439-92-1	
Selenium	ND mg	/kg		2.0	1	09/29/08 00:00	10/01/08 17:28	7782-49-2	
Silver	ND mg	/kg		2.0	1	09/29/08 00:00	10/01/08 17:28	7440-22-4	
7471 Mercury	Analytical Meth	od: EPA 74	171 Preparation	on Meth	nod: EPA	\ 7471			
Mercury	ND mg	/kg		0.35	1	09/30/08 00:00	10/02/08 12:58	7439-97-6	
Percent Moisture	Analytical Meth	od: ASTM	D2974-87						
Percent Moisture	6.6 %			0.10	1		10/02/08 00:00		

Date: 10/10/2008 02:49 PM

REPORT OF LABORATORY ANALYSIS

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Project: Duncan Rd
Pace Project No.: 5019276

QC Batch: MPRP/3512 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 5019276001, 5019276002

METHOD BLANK: 216342 Matrix: Solid

Associated Lab Samples: 5019276001, 5019276002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND ND	2.0	10/01/08 17:11	
Barium	mg/kg	ND	2.0	10/01/08 17:11	
Cadmium	mg/kg	ND	2.0	10/01/08 17:11	
Chromium	mg/kg	ND	2.0	10/01/08 17:11	
Lead	mg/kg	ND	2.0	10/01/08 17:11	
Selenium	mg/kg	ND	2.0	10/01/08 17:11	
Silver	mg/kg	ND	2.0	10/01/08 17:11	

LABORATORY	CONTROL SAMPLE:	216343
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Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	51.1	102	85-118	
Barium	mg/kg	50	50.7	101	84-118	
Cadmium	mg/kg	50	51.1	102	83-115	
Chromium	mg/kg	50	49.8	100	82-117	
Lead	mg/kg	50	50.7	101	83-116	
Selenium	mg/kg	50	49.9	100	82-116	
Silver	mg/kg	25	23.7	95	77-123	

MATRIX SPIKE & MATRIX	SPIKE DUPLICAT	E: 21634	4		216345							
Parameter	50 Units	019219004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec	RPD	Max RPD	Qual
Arsenic	 mg/kg	8.2	60.4	59.3	57.4	59.3	81	86	70-127	3	20	
Barium	mg/kg	102	60.4	59.3	147	159	74	96	60-140	8	_	
Cadmium	mg/kg	ND	60.4	59.3	46.3	46.0	77	77	65-120	1	20	
Chromium	mg/kg	16.6	60.4	59.3	64.2	64.3	79	80	60-130	0	20	
Lead	mg/kg	12.9	60.4	59.3	61.2	60.7	80	81	60-140	1	20	
Selenium	mg/kg	ND	60.4	59.3	46.0	45.6	76	77	60-130	1	20	
Silver	ma/ka	ND	30.3	29.7	22.5	22.3	75	75	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 21634	6 216347
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			MS	MSD								
	5019219012		Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	3.6	58.3	56.2	60.8	61.2	98	103	70-127	1	20	
Barium	mg/kg	34.0	58.3	56.2	92.5	93.7	100	106	60-140	1	20	
Cadmium	mg/kg	ND	58.3	56.2	48.5	48.1	83	85	65-120	1	20	

Date: 10/10/2008 02:49 PM

REPORT OF LABORATORY ANALYSIS

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Project: Duncan Rd
Pace Project No.: 5019276

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21634	6		216347							
			MS	MSD								
	50	019219012	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chromium	mg/kg	5.2	58.3	56.2	54.6	55.6	85	90	60-130	2	20	
Lead	mg/kg	58.6	58.3	56.2	97.1	98.5	66	71	60-140	1	20	
Selenium	mg/kg	ND	58.3	56.2	54.6	53.7	93	95	60-130	2	20	
Silver	mg/kg	ND	29.2	28.1	26.9	26.4	92	94	70-130	2	20	

Date: 10/10/2008 02:49 PM REPORT OF LABORATORY ANALYSIS

nelac



Project: Duncan Rd Pace Project No.: 5019276

OEXT/9633 QC Batch: QC Batch Method: EPA 3546

Analysis Method: Analysis Description: EPA 8015 Mod Ext EPA 8015 Modified

Associated Lab Samples: 5019276001, 5019276002

METHOD BLANK: 216813 Matrix: Solid

Associated Lab Samples: 5019276001, 5019276002

> Blank Reporting Limit Parameter Result Qualifiers Units Analyzed ND 10.0 09/30/08 15:24 mg/kg

TPH-ERO 45-170 n-Pentacosane (S) % 65 09/30/08 15:24

LABORATORY CONTROL SAMPLE: 216814

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers TPH-ERO mg/kg 83.3 48.6 58 41-139 n-Pentacosane (S) % 54 45-170

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 216815 216816 MSD MS 5019240008 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual TPH-ERO mg/kg 13.5 98.9 98.9 51.0 63.5 38 51 40-146 22 20 M0,R1 n-Pentacosane (S) % 41 45 45-170 20 S0

Date: 10/10/2008 02:49 PM





Project: Duncan Rd Pace Project No.: 5019276

QC Batch: MERP/1827 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019276001, 5019276002

METHOD BLANK: 217317 Matrix: Solid

Associated Lab Samples: 5019276001, 5019276002

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Mercury mg/kg ND 0.33 10/02/08 12:29

LABORATORY CONTROL SAMPLE: 217318

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.49 97 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217319 217320

MS MSD 5019219012 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 50-150 5 20 Mercury ND .59 .64 0.61 0.65 98 97 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217326 217327

MS MSD MS MSD MS 5019171001 Spike Spike MSD % Rec Max Parameter RPD Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual Mercury ND .54 .54 0.56 0.56 102 101 50-150 0 20 mg/kg

Date: 10/10/2008 02:49 PM







Project: Duncan Rd
Pace Project No.: 5019276

QC Batch: PMST/2964 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019276001, 5019276002

SAMPLE DUPLICATE: 218458

5019184010 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 17.6 Percent Moisture 16.7 5 5

SAMPLE DUPLICATE: 218459

5019358014 Dup Max RPD RPD Parameter Units Result Result Qualifiers Percent Moisture % 18.7 17.8 5 5

Date: 10/10/2008 02:49 PM





Project: Duncan Rd Pace Project No.: 5019276

QC Batch: GCV/5626
QC Batch Method: EPA 8015 Mod Pur

Analysis Method: EPA 8015 Mod Pur Analysis Description: 8015 Solid GCV

Associated Lab Samples: 5019276001, 5019276002

METHOD BLANK: 220277 Matrix: Solid

%

Associated Lab Samples: 5019276001, 5019276002

Reporting Blank Limit Parameter Result Qualifiers Units Analyzed Gasoline Range Organics ND 10/07/08 21:43 mg/kg 1.0 % 4-Bromofluorobenzene (S) 107 40-159 10/07/08 21:43

LABORATORY CONTROL SAMPLE: 220278

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Gasoline Range Organics mg/kg 10 9.6 96 79-128 4-Bromofluorobenzene (S) % 143 40-159

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 220279 220280 MSD MS 5019358002 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Gasoline Range Organics mg/kg ND 12.1 12.1 5.9 8.3 44 64 40-135 35 20

121

134

40-159

20 R1

Date: 10/10/2008 02:49 PM

4-Bromofluorobenzene (S)





QUALIFIERS

Project: Duncan Rd
Pace Project No.: 5019276

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

Date: 10/10/2008 02:49 PM

M0 Matrix spike recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

This report shall not be reproduced except in full



CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Beautied Client Information	Section B	1		Section C	o e				Page:		of	
	Dozet To: 1			Invoice	Invoice Information;						₹	7.0
Company. 12/1/ (6454 (1/h)	Keport 10: Du a d	(Jentus	YF	Attention:	E .						TIRAZIR	Σ
Address: 7428 Rock McKB	Copy To: 0 MOVUM	WWW WILL	, -M3K?	Сотра	Company Name:		T.	REGULATORY AGENCY	Y AGENCY			
Tundian yolis, IN		,		Address:	:2			NPDES	F GROUN	GROUND WATER F	DRINKING WATER	TER
~	Purchase Order No.:			Pace Quote Reference:	ote e:			T UST	F RCRA	. L	OTHER	
Fa	Project Name: Dung	Con Rd		Pace Project Manager:	ject			Site Location				
Requested Due Date/TAT: Site value	Project Number:	, LAK,	2600 Bunga RA	Pace Profile #:	file #:	į		STATE		1		
							Requested Analysis Filtered (Y/N)	nalysis Filte	red (Y/N)			
Section D Matrix Required Client Information MATRIX		COLLECTED	CTED		Preservatives	atives	1 N /A			8	50(9976	
in WWW	GRAB C=COI	COMPOSITE	COMPOSITE				3M 3M					
SAMPLE ID Oil Wipe (A-Z, 0-9 / -) Air Sample IDs MUST BE UNIQUE Tissue #	*TRIX CODE (s			MPLE TEMP AT C		2S ₂ O ₃ thanol ner ~ W 0,4€4	145.680 by			eidual Chlorine		
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*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invisioes not paid within 30 days.	apting Pace's NET 30 day paym	ent terms and agreeing to	late charges of 1.5% per	month for any-	nvoices not paid w	ithin 30 days.				ALL-Q-020re	F-ALL-Q-020rev.07, 15-May-2007	

Sample Condition Upon Receipt Client Name: ZWM Project # 5019 a Courier: Fed Ex UPS USPS Client Commercial Pace Other ☐ yes 📈 no Custody Seal on Cooler/Box Present: yes no Seals intact: Packing Material: Bubble Wrap Bubble Bags None Other Type of ice: Wet Blue None <u>Thermometer</u> Used Samples on ice, cooling process has begun Date and Initials of person examining Biological Tissue is Frozen: Yes No contents: Temp should be above freezing to 6°C Comments: Yes □No □N/A Chain of Custody Present: □xres □No Chain of Custody Filled Out: □N/A ZÑYes □No □N/A Chain of Custody Relinquished: ØYes □No □N/A 4 Sampler Name & Signature on COC: /ΣΣίΥes ⊟No Samples Arrived within Hold Time: □N/A ☐Yes ☐No ØN/A 6. Short Hold Time Analysis (<72hr): ☐Yes ☐No Rush Turn Around Time Requested: ØN/A ⊠Yes □No □N/A Sufficient Volume: ÄYes □No Correct Containers Used: □N/A 9. -Pace Containers Used: ⊠Yes □No □N/A Containers Intact: □Yes □No ÆN/A 11. Filtered volume received for Dissolved tests ÓYes □No □N/A 12. Sample Labels match COC: -Includes date/time/ID/Analysis All containers needing preservation have been checked. □Yes □No /□N/A 13. All containers needing preservation are found to be in □Yes □No ⊠N/A compliance with EPA recommendation. Initial when Lot # of added □Yes ÆNo exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) completed preservative □Yes □No ØN/A Samples checked for dechlorination: 14. Headspace in VOA Vials (>6mm): □Yes □No ØN/A 15. Trip Blank Present: □Yes □No DIN/A 16. □Yes □No 💆N/A Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased):

Client Notification/ Resolution:

Person Contacted:

Comments/ Resolution:

Date/Time:

Lust Collected.

Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Project Manager Review:

Date:





October 11, 2008

Mr. Brad Gentry IWM Consulting 7428 Rockville Road Indianapolis, IN 46214

RE: Project: 2600 Duncan Rd

Pace Project No.: 5019333

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on September 26, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures







SAMPLE SUMMARY

Project: 2600 Duncan Rd

Pace Project No.: 5019333

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5019333001	Base 2	Solid	09/26/08 10:40	09/26/08 16:35
5019333002	Stockpile 2	Solid	09/26/08 14:30	09/26/08 16:35





SAMPLE ANALYTE COUNT

Project: 2600 Duncan Rd

Pace Project No.: 5019333

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5019333001	Base 2	ASTM D2974-87	ILP	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2
5019333002	Stockpile 2	ASTM D2974-87	ILP	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2





ANALYTICAL RESULTS

Project: 2600 Duncan Rd

Pace Project No.: 5019333

Sample: Base 2	Lab ID: 50193330	01 Collected: 09/26/	08 10:40	Received: 09)/26/08 16:35	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepar	ation Me	thod: EPA 3546			
TPH-ERO	ND mg/kg	10.2	1	10/06/08 13:07	10/06/08 18:1	1	
n-Pentacosane (S)	45 %	45-170	1	10/06/08 13:07	10/06/08 18:1	1 629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	0.98	1		10/08/08 06:40)	
4-Bromofluorobenzene (S)	130 %	40-159	1		10/08/08 06:40	0 460-00-4	
6010 MET ICP	Analytical Method: E	PA 6010 Preparation Me	thod: EP	A 3050			
Arsenic	4.3 mg/kg	1.9	1	10/01/08 00:00	10/02/08 11:0	1 7440-38-2	
Barium	17.1 mg/kg	1.9	1	10/01/08 00:00	10/02/08 11:01	7440-39-3	
Cadmium	ND mg/kg	1.9	1	10/01/08 00:00	10/02/08 11:01	7440-43-9	
Chromium	5.9 mg/kg	1.9	1	10/01/08 00:00	10/02/08 11:01	7440-47-3	
Lead	3.1 mg/kg	1.9	1	10/01/08 00:00	10/02/08 11:01	7439-92-1	
Selenium	ND mg/kg	1.9	1	10/01/08 00:00	10/02/08 11:01	1 7782-49-2	
Silver	ND mg/kg	1.9	1	10/01/08 00:00	10/02/08 11:01	7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Me	thod: EP	A 7471			
Mercury	ND mg/kg	0.33	1	09/30/08 00:00	10/02/08 13:04	4 7439-97-6	
Percent Moisture	Analytical Method: A	STM D2974-87					
Percent Moisture	1.5 %	0.10	1		10/06/08 13:29	9	

Date: 10/11/2008 01:12 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2600 Duncan Rd

Pace Project No.: 5019333

Sample: Stockpile 2	Lab ID: 50193330	02 Collected: 09/26/0	08 14:30	Received: 09	9/26/08 16:35 N	fatrix: Solid	
Results reported on a "dry-weig	ght" basis						
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepara	ation Me	thod: EPA 3546			
TPH-ERO	41.5 mg/kg	11.1	1	10/01/08 00:00	10/02/08 15:30		
n-Pentacosane (S)	52 %	45-170	1	10/01/08 00:00	10/02/08 15:30	629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.2	1		10/08/08 07:02		
4-Bromofluorobenzene (S)	125 %	40-159	1		10/08/08 07:02	460-00-4	
6010 MET ICP	Analytical Method: E	PA 6010 Preparation Met	hod: EP	A 3050			
Arsenic	13.7 mg/kg	2.1	1	10/01/08 00:00	10/02/08 11:07	7440-38-2	
Barium	86.9 mg/kg	2.1	1	10/01/08 00:00	10/02/08 11:07	7440-39-3	
Cadmium	ND mg/kg	2.1	1	10/01/08 00:00	10/02/08 11:07	7440-43-9	
Chromium	35.6 mg/kg	2.1	1	10/01/08 00:00	10/02/08 11:07	7440-47-3	
Lead	171 mg/kg	2.1	1	10/01/08 00:00	10/02/08 11:07	7439-92-1	
Selenium	ND mg/kg	2.1	1	10/01/08 00:00	10/02/08 11:07	7782-49-2	
Silver	ND mg/kg	2.1	1	10/01/08 00:00	10/02/08 11:07	7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Met	hod: EP	A 7471			
Mercury	5.9 mg/kg	1.8	5	10/06/08 00:00	10/08/08 16:17	7439-97-6	1d
Percent Moisture	Analytical Method: A	STM D2974-87					

0.10 1

10/06/08 13:29

9.7 %

Date: 10/11/2008 01:12 PM

Percent Moisture

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019333

QC Batch: MERP/1827 Analysis Method: EPA 7471

QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019333001

METHOD BLANK: 217317 Matrix: Solid

Associated Lab Samples: 5019333001

Parameter Units Result Limit Analyzed Qualifiers

Mercury mg/kg ND 0.33 10/02/08 12:29

LABORATORY CONTROL SAMPLE: 217318

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.49 97 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217319 217320

MS MSD 5019219012 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 50-150 5 20 Mercury ND .59 .64 0.61 0.65 98 97 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217326 217327

MS MSD MS MSD MS Max 5019171001 Spike Spike MSD % Rec Parameter RPD Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual Mercury ND .54 .54 0.56 0.56 102 101 50-150 0 20 mg/kg

Date: 10/11/2008 01:12 PM





Project: 2600 Duncan Rd

Pace Project No.: 5019333

QC Batch: OEXT/9652 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5019333002

METHOD BLANK: 217396 Matrix: Solid

Associated Lab Samples: 5019333002

Blank Reporting Limit Qualifiers Parameter Units Result Analyzed TPH-ERO ND 10.0 10/02/08 09:40 mg/kg % n-Pentacosane (S) 92 45-170 10/02/08 09:40

LABORATORY CONTROL SAMPLE: 217397

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
TPH-ERO	mg/kg	83.3	50.3	60	41-139	
n-Pentacosane (S)	%			94	45-170	

Date: 10/11/2008 01:12 PM REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019333

QC Batch: MPRP/3528 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 5019333001, 5019333002

METHOD BLANK: 217616 Matrix: Solid

Associated Lab Samples: 5019333001, 5019333002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/02/08 08:18	
Barium	mg/kg	ND	2.0	10/02/08 08:18	
Cadmium	mg/kg	ND	2.0	10/02/08 08:18	
Chromium	mg/kg	ND	2.0	10/02/08 08:18	
Lead	mg/kg	ND	2.0	10/02/08 08:18	
Selenium	mg/kg	ND	2.0	10/02/08 08:18	
Silver	mg/kg	ND	2.0	10/02/08 08:18	

LABORATORY CONTROL	SAMPLE:	217617
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Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	51.3	103	85-118	
Barium	mg/kg	50	53.7	107	84-118	
Cadmium	mg/kg	50	51.2	102	83-115	
Chromium	mg/kg	50	51.9	104	82-117	
Lead	mg/kg	50	51.7	103	83-116	
Selenium	mg/kg	50	50.6	101	82-116	
Silver	mg/kg	25	23.3	93	77-123	

MATRIX SPIKE & MATRIX	SPIKE DUPLICAT	E: 21761	8		217619							
	50	019275021	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	3.3	55.4	57.6	53.0	57.8	90	95	70-127	9	20	
Barium	mg/kg	78.6	55.4	57.6	150	147	129	118	60-140	2	20	
Cadmium	mg/kg	ND	55.4	57.6	49.2	54.3	89	94	65-120	10	20	
Chromium	mg/kg	12.1	55.4	57.6	64.6	70.9	95	102	60-130	9	20	
Lead	mg/kg	7.4	55.4	57.6	54.6	59.9	85	91	60-140	9	20	
Selenium	mg/kg	ND	55.4	57.6	50.6	55.6	90	96	60-130	9	20	
Silver	ma/ka	ND	27.7	28.9	23.3	25.6	84	89	70-130	9	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217	7620 21762 ⁻	1
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	50	018136041	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	5.9	60.5	60	55.6	55.9	82	83	70-127	1	20	
Barium	mg/kg	116	60.5	60	175	176	97	99	60-140	1	20	
Cadmium	mg/kg	ND	60.5	60	48.0	46.5	79	77	65-120	3	20	

Date: 10/11/2008 01:12 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019333

Date: 10/11/2008 01:12 PM

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21762	0		217621							
Parameter	50 Units	018136041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	mg/kg	21.1	60.5	60	76.8	73.2	92	87	60-130	5	20	
Lead	mg/kg	10.2	60.5	60	59.9	58.3	82	80	60-140	3	20	
Selenium	mg/kg	ND	60.5	60	48.9	47.5	80	79	60-130	3	20	
Silver	mg/kg	ND	30.3	29.9	22.9	22.2	76	74	70-130	3	20	

REPORT OF LABORATORY ANALYSIS

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Project:

2600 Duncan Rd

Pace Project No.:

5019333

QC Batch: QC Batch Method: OEXT/9726

EPA 3546

Analysis Method:

EPA 8015 Mod Ext

Analysis Description:

EPA 8015 Modified

Associated Lab Samples: 5019333001 METHOD BLANK: 219349

Matrix: Solid

Associated Lab Samples:

5019333001

Blank Result Reporting Limit

Analyzed

Qualifiers

Parameter TPH-ERO

Units

ND

10.0

10/06/08 16:18

n-Pentacosane (S)

mg/kg %

82

45-170 10/06/08 16:18

LABORATORY CONTROL SAMPLE:

Parameter

219350

Units

5019320010

Result

Spike Conc.

LCS

LCS % Rec

% Rec Limits

Qualifiers

TPH-ERO n-Pentacosane (S) mg/kg %

Units

mg/kg

%

83.3

Result 45.1

54 63

41-139 45-170

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

219777

ND

219778

MSD

86.3

MSD

MS MSD

41

48

% Rec

Max Limits **RPD**

RPD 20

Qual

TPH-ERO n-Pentacosane (S)

Parameter

Spike Conc.

MS

86.3

Spike Conc.

MS Result Result 36.3

% Rec 43.0

% Rec 49

54

40-146

17 45-170

20

Date: 10/11/2008 01:12 PM





Project: 2600 Duncan Rd

Pace Project No.: 5019333

QC Batch: MERP/1835 Analysis Method: EPA 7471 QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019333002

METHOD BLANK: 219367 Matrix: Solid

Associated Lab Samples: 5019333002

Blank Reporting Limit Qualifiers Parameter Units Result Analyzed

ND 0.33 10/08/08 14:28 Mercury mg/kg

LABORATORY CONTROL SAMPLE: 219368

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.51 102 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219369 219370

MS MSD 5019533001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 50-150 6 20 Mercury ND .64 .67 0.65 0.69 96 99 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219372 219371

MS MSD MS MSD MS 5019600002 Spike Spike MSD % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual Mercury ND .52 .52 0.67 0.69 127 131 50-150 3 20 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219374

MS MSD 5019275010 Spike Spike MS MSD MS MSD % Rec Max RPD RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Mercury mg/kg ND .55 .55 0.59 0.60 105 50-150 20

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Project: 2600 Duncan Rd

Pace Project No.: 5019333

QC Batch: PMST/2977 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019333001, 5019333002

SAMPLE DUPLICATE: 219419

Sol 19330002 Dup Max
Parameter Units Result Result RPD RPD Qualifiers

Percent Moisture % 19.2 18.4 4 5

SAMPLE DUPLICATE: 219420

5019356001 Dup Max RPD RPD Parameter Units Result Result Qualifiers Percent Moisture % 17.5 20.7 17 5 R2

Date: 10/11/2008 01:12 PM





Analysis Method:

2600 Duncan Rd Project:

Pace Project No.: 5019333

QC Batch: GCV/5627

EPA 8015 Mod Pur Analysis Description:

EPA 8015 Mod Pur

Qualifiers

QC Batch Method: 8015 Solid GCV Associated Lab Samples: 5019333001, 5019333002

METHOD BLANK: 220281 Matrix: Solid

Associated Lab Samples: 5019333001, 5019333002

> Reporting Blank Limit Parameter Result Units Analyzed

Gasoline Range Organics ND 10/08/08 05:55 mg/kg 1.0

% 4-Bromofluorobenzene (S) 121 40-159 10/08/08 05:55

LABORATORY CONTROL SAMPLE: 220282

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Gasoline Range Organics mg/kg 10 8.8 88 79-128 4-Bromofluorobenzene (S) % 134 40-159

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 220283 220284

MSD MS 5019406007 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Gasoline Range Organics mg/kg ND 8.5 8 5.8 5.2 66 63 40-135 20 4-Bromofluorobenzene (S) % 130 123 40-159 20

Date: 10/11/2008 01:12 PM





QUALIFIERS

Project: 2600 Duncan Rd

Pace Project No.: 5019333

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

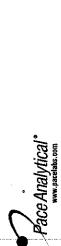
ANALYTE QUALIFIERS

Date: 10/11/2008 01:12 PM

1d Re-prep and re-analysis on 10-08-2008 confirms reported value.

R2 RPD value was outside control limits due to matrix interference





CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

6

Page:

1184279 Pace Project No./ Lab I.D. (N/A) DRINKING WATER Samples Intact 5019333 SAMPLE CONDITIONS OTHER (N/A) Sealed Cooler Custody Received on Ice (Y/N) GROUND WATER Residual Chlorine (Y/N) O° ni qmeT REGULATORY AGENCY RCRA Requested Analysis Filtered (Y/N) HAE. Site Location STATE NPDES DATE SI 69 Š DATE Signed (MM/DD/YY): SCEPTED BY / AFFILIATION JONDUAN Wilbzyns 1 teeT sisylsnA1 N/A W4 40V Other Methanol 424 Preservatives _EO_SS_SbN NaOH HCI Invoice Information: EONH Company Name: ⁷OS²H 4.351.20 Manager: Pace Profile #; Pace Quote Reference: Pace Project Section C Onpreserved Attention: Address: # OF CONTAINERS SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE TIME >600 Uhran COMPOSITE END/GRAB DATE COLLECTED JUGH RELINQUISHED BY / AFFILIATION 0);0 14:30 TIME Gentr COMPOSITE DATE DOMOVÁ M MAKE 2600 Section B Required Project Information: ઠે Bran <u>S</u> (G=GRAB C=COMP) SAMPLE TYPE S OPIGINAL Purchase Order No.: Project Number: (see valid codes to left) MATRIX CODE roject Name: Report To: Sopy To: TAR WE SE P WAY Matrix Codes Client Client 128/2 TO 10 Drinking Water Water
Waste Water
Product
Soit/Soild
Oil
Wipe
Air
Tissue IN MCONSUL Stundard ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLE ID Required Client Information Section A Required Client Information: DUENTV Company: 1WM +8KK あるなの Section D Email To: # Mati 9 6 은 7

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any involces not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt ace Analytical" Client Name: Project # 50 Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: Custody Seal on Cooler/Box Present: yes no Seals intact: ☐ yes Packing Material: Bubble Wrap ☐Bubble Bags ☐ None Other Thermometer Used Type of Ice: / Wet/ Blue None Samples on ice, cooling process has begun Date and Initials of person examining Biological Tissue is Frozen: Yes No Cooler Temperature Temp should be above freezing to 6°C Comments: Chain of Custody Present: 42Yes □No □N/A Yes No DNA Chain of Custody Filled Out: Chain of Custody Relinquished: □N/A Sampler Name & Signature on COC: ☐Yes □No □N/A Samples Arrived within Hold Time: Yes No ONA □xes □No □N/A Short Hold Time Analysis (<72hr): □Yes □No Rush Turn Around Time Requested: **□M/A** Sufficient Volume: ☐Yes ☐No □N/A ÆYes □No □N/A Correct Containers Used: ☐Yes ☐No ☐N/A -Pace Containers Used: Containers Intact: ☑Yes □No □n/A Filtered volume received for Dissolved tests [11. Sample Labels match COC: □xes □no □n/A 12. -Includes date/time/ID/Analysis All containers needing preservation have been checked. □Yes □No ₽N/A 13. All containers needing preservation are found to be in □Yes □No □MA compliance with EPA recommendation. Initial when Lot # of added ☐Yes ☐No exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) completed preservative Samples checked for dechlorination: □Yes □No **HN/A** Headspace in VOA Vials (>6mm): □Yes □No □łN/A Trip Blank Present: ☐Yes ☐No Trip Blank Custody Seals Present ☐Yes ☐No □ N## Pace Trip Blank Lot # (if purchased): **Client Notification/ Resolution:** Field Data Required? Y / N Person Contacted: Date/Time: Comments/ Resolution: Project Manager Review:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)





October 11, 2008

Mr. Brad Gentry **IWM Consulting** 7428 Rockville Road Indianapolis, IN 46214

RE: Project: 2600 Duncan Rd.

Pace Project No.: 5019418

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures











SAMPLE SUMMARY

Project: 2600 Duncan Rd.

Pace Project No.: 5019418

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5019418001	Base 3	Solid	09/29/08 11:30	09/30/08 11:31
5019418002	Base 4	Solid	09/29/08 15:00	09/30/08 11:31





SAMPLE ANALYTE COUNT

Project: 2600 Duncan Rd.

Pace Project No.: 5019418

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5019418001	Base 3	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2
5019418002	Base 4	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CVR	2





ANALYTICAL RESULTS

Project: 2600 Duncan Rd.

Pace Project No.: 5019418

Sample: Base 3	Lab ID: 5019	9418001	Collected: (09/29/0	8 11:30	Received: 09	/30/08 11:31	Matrix: Solid	
Results reported on a "dry-weig	ht" basis								
Parameters	Results	Units	Report	Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Meth	od: EPA 80	015 Mod Ext F	Prepara	ition Met	thod: EPA 3546			
TPH-ERO	ND mg	ı/kg		10.3	1	10/02/08 00:00	10/03/08 01:25	5	
n-Pentacosane (S)	59 %		45	5-170	1	10/02/08 00:00	10/03/08 01:25	5 629-99-2	
8015 GRO 5035	Analytical Meth	od: EPA 80	015 Mod Pur						
Gasoline Range Organics	ND mg	ı/kg		0.94	1		10/08/08 22:46	6	
4-Bromofluorobenzene (S)	117 %	_	40	0-159	1		10/08/08 22:46	6 460-00-4	
6010 MET ICP	Analytical Meth	od: EPA 60	010 Preparation	on Meth	nod: EPA	A 3050			
Arsenic	4.9 mg	ı/kg		2.0	1	10/01/08 00:00	10/02/08 11:12	2 7440-38-2	
Barium	14.1 mg	ı/kg		2.0	1	10/01/08 00:00	10/02/08 11:12	7440-39-3	
Cadmium	ND mg	ı/kg		2.0	1	10/01/08 00:00	10/02/08 11:12	2 7440-43-9	
Chromium	6.5 mg	ı/kg		2.0	1	10/01/08 00:00	10/02/08 11:12	2 7440-47-3	
Lead	3.9 mg	ı/kg		2.0	1	10/01/08 00:00	10/02/08 11:12	7439-92-1	
Selenium	ND mg	ı/kg		2.0	1	10/01/08 00:00	10/02/08 11:12	7782-49-2	
Silver	ND mg	ı/kg		2.0	1	10/01/08 00:00	10/02/08 11:12	2 7440-22-4	
7471 Mercury	Analytical Meth	od: EPA 74	471 Preparation	on Meth	nod: EPA	A 7471			
Mercury	ND mg	ı/kg		0.36	1	09/30/08 00:00	10/02/08 13:07	7 7439-97-6	
Percent Moisture	Analytical Meth	od: ASTM	D2974-87						
Percent Moisture	3.3 %			0.10	1		10/07/08 16:36	6	

Date: 10/11/2008 02:25 PM

REPORT OF LABORATORY ANALYSIS





ANALYTICAL RESULTS

Project: 2600 Duncan Rd.

Pace Project No.: 5019418

Sample: Base 4	Lab ID: 50194	18002	Collected: 09/29/0	8 15:00	Received: 09	/30/08 11:31 M	Matrix: Solid	
Results reported on a "dry-weig	ıht" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Metho	d: EPA 80°	15 Mod Ext Prepara	ition Me	thod: EPA 3546			
TPH-ERO	ND mg/k	g	10.4	1	10/02/08 00:00	10/03/08 04:09	1	
n-Pentacosane (S)	56 %		45-170	1	10/02/08 00:00	10/03/08 04:09	629-99-2	
8015 GRO 5035	Analytical Metho	d: EPA 80′	15 Mod Pur					
Gasoline Range Organics	ND mg/k	g	1.1	1		10/08/08 23:08		
4-Bromofluorobenzene (S)	130 %		40-159	1		10/08/08 23:08	460-00-4	
6010 MET ICP	Analytical Metho	d: EPA 60′	10 Preparation Meth	nod: EP	A 3050			
Arsenic	4.9 mg/k	g	1.9	1	10/01/08 00:00	10/02/08 11:18	7440-38-2	
Barium	25.4 mg/k	g	1.9	1	10/01/08 00:00	10/02/08 11:18	7440-39-3	
Cadmium	ND mg/k	g	1.9	1	10/01/08 00:00	10/02/08 11:18	7440-43-9	
Chromium	6.1 mg/k	g	1.9	1	10/01/08 00:00	10/02/08 11:18	7440-47-3	
Lead	20.5 mg/k	g	1.9	1	10/01/08 00:00	10/02/08 11:18	7439-92-1	
Selenium	ND mg/k	g	1.9	1	10/01/08 00:00	10/02/08 11:18	7782-49-2	
Silver	ND mg/k	g	1.9	1	10/01/08 00:00	10/02/08 11:18	7440-22-4	
7471 Mercury	Analytical Metho	d: EPA 747	71 Preparation Meth	nod: EP	A 7471			
Mercury	ND mg/k	kg	0.33	1	09/30/08 00:00	10/02/08 13:08	7439-97-6	
Percent Moisture	Analytical Metho	d: ASTM D)2974-87					
Percent Moisture	3.4 %		0.10	1		10/07/08 16:36	i	

Date: 10/11/2008 02:25 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd.

Pace Project No.: 5019418

QC Batch: MERP/1827 Analysis Method: EPA 7471

QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019418001, 5019418002

METHOD BLANK: 217317 Matrix: Solid

Associated Lab Samples: 5019418001, 5019418002

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Mercury mg/kg ND 0.33 10/02/08 12:29

LABORATORY CONTROL SAMPLE: 217318

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.49 97 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217319 217320

MS MSD 5019219012 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 50-150 5 20 Mercury ND .59 .64 0.61 0.65 98 97 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217326 217327

MS MSD MS MSD MS 5019171001 Spike Spike MSD % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual Mercury ND .54 .54 0.56 0.56 102 101 50-150 0 20 mg/kg

Date: 10/11/2008 02:25 PM





Project: 2600 Duncan Rd.

Pace Project No.: 5019418

QC Batch: MPRP/3528 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 5019418001, 5019418002

METHOD BLANK: 217616 Matrix: Solid

Associated Lab Samples: 5019418001, 5019418002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND ND	2.0	10/02/08 08:18	
Barium	mg/kg	ND	2.0	10/02/08 08:18	
Cadmium	mg/kg	ND	2.0	10/02/08 08:18	
Chromium	mg/kg	ND	2.0	10/02/08 08:18	
Lead	mg/kg	ND	2.0	10/02/08 08:18	
Selenium	mg/kg	ND	2.0	10/02/08 08:18	
Silver	mg/kg	ND	2.0	10/02/08 08:18	

LABORATORY CONTROL	SAMPLE:	217617
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Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	51.3	103	85-118	
Barium	mg/kg	50	53.7	107	84-118	
Cadmium	mg/kg	50	51.2	102	83-115	
Chromium	mg/kg	50	51.9	104	82-117	
Lead	mg/kg	50	51.7	103	83-116	
Selenium	mg/kg	50	50.6	101	82-116	
Silver	mg/kg	25	23.3	93	77-123	

MATRIX SPIKE & MATRIX S	PIKE DUPLICAT	E: 21761	8		217619							
	50	019275021	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	3.3	55.4	57.6	53.0	57.8	90	95	70-127	9	20	
Barium	mg/kg	78.6	55.4	57.6	150	147	129	118	60-140	2	20	
Cadmium	mg/kg	ND	55.4	57.6	49.2	54.3	89	94	65-120	10	20	
Chromium	mg/kg	12.1	55.4	57.6	64.6	70.9	95	102	60-130	9	20	
Lead	mg/kg	7.4	55.4	57.6	54.6	59.9	85	91	60-140	9	20	
Selenium	mg/kg	ND	55.4	57.6	50.6	55.6	90	96	60-130	9	20	
Silver	mg/kg	ND	27.7	28.9	23.3	25.6	84	89	70-130	9	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2176	20 217621
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	50	018136041	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	5.9	60.5	60	55.6	55.9	82	83	70-127	1	20	
Barium	mg/kg	116	60.5	60	175	176	97	99	60-140	1	20	
Cadmium	mg/kg	ND	60.5	60	48.0	46.5	79	77	65-120	3	20	

Date: 10/11/2008 02:25 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd.

Pace Project No.: 5019418

Date: 10/11/2008 02:25 PM

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21762	0		217621							
Parameter	50 Units	018136041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	mg/kg	21.1	60.5	60	76.8	73.2	92	87	60-130	5	20	
Lead	mg/kg	10.2	60.5	60	59.9	58.3	82	80	60-140	3	20	
Selenium	mg/kg	ND	60.5	60	48.9	47.5	80	79	60-130	3	20	
Silver	mg/kg	ND	30.3	29.9	22.9	22.2	76	74	70-130	3	20	

REPORT OF LABORATORY ANALYSIS

nelac.



Project: 2600 Duncan Rd.

Pace Project No.: 5019418

QC Batch: OEXT/9672 QC Batch Method: EPA 3546

Analysis Method: EPA 8015 Mod Ext

Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5019418001, 5019418002

METHOD BLANK: 218090 Matrix: Solid

Associated Lab Samples: 5019418001, 5019418002

Blank Reporting Limit Parameter Units Result Analyzed Qualifiers TPH-ERO ND 10.0 10/02/08 23:15 mg/kg 10/02/08 23:15

45-170 n-Pentacosane (S) % 69

LABORATORY CONTROL SAMPLE: 218091

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers TPH-ERO mg/kg 83.3 56.2 67 41-139 n-Pentacosane (S) % 69 45-170

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 218092 218093

	50	019468002	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
TPH-ERO	mg/kg	ND	86	86	56.9	55.6	60	59	40-146	2	20	
n-Pentacosane (S)	%						65	62	45-170		20	

Date: 10/11/2008 02:25 PM







Project: 2600 Duncan Rd.

Pace Project No.: 5019418

QC Batch: PMST/2981 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019418001, 5019418002

SAMPLE DUPLICATE: 220008

Percent Moisture 5019413001 Dup Max Result Result RPD Qualifiers 17.7 17.6 1 5

SAMPLE DUPLICATE: 220009

5019434008 Dup Max RPD RPD Parameter Units Result Result Qualifiers Percent Moisture % 11.5 11.4 0 5

Date: 10/11/2008 02:25 PM





Project: 2600 Duncan Rd.

Pace Project No.: 5019418

QC Batch: GCV/5640 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 Solid GCV

Associated Lab Samples: 5019418001, 5019418002

METHOD BLANK: 220820 Matrix: Solid

Associated Lab Samples: 5019418001, 5019418002

ParameterUnitsBlank ResultReporting LimitAnalyzedQualifiersGasoline Range Organicsmg/kgND1.010/08/08 21:16

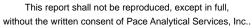
4-Bromofluorobenzene (S) % 99 40-159 10/08/08 21:16

LABORATORY CONTROL SAMPLE: 220821

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Gasoline Range Organics	mg/kg	10	10.6	106	79-128	
4-Bromofluorobenzene (S)	%			140	40-159	

Date: 10/11/2008 02:25 PM REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 2600 Duncan Rd.

Pace Project No.: 5019418

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Date: 10/11/2008 02:25 PM

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

Face Analytical www.pacelabs.com

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



1185450 Pace Project No./ Lab I.D. DRINKING WATER 2746195 SAMPLE CONDITIONS OTHER 60-18 ъ GROUND WATER 33 Residual Chlorine (Y/N) Page: REGULATORY AGENCY RCRA Requested Analysis Filtered (Y/N) TIME STATE NPDES Site Location DATE LST ACCEPTED BY / AFFILIATION N/A **↓ teeT** siaylsnA↓ Olher ► Wa + e.V. N Methanol Preservatives _€O_SS_SbN ИаОН HCI invoice Information: HNO3 Company Name: ⁷OS^ZH Pace Quote Reference: Pace Project Manager: Pace Profile #: Section C Unpreserved IME Address: # OF CONTAINERS 2008 SAMPLE TEMP AT COLLECTION <u>8</u> DATE 3:50 600 Buncar R TIME Wilczynsk COMPOSITE END/GRAB 9/29 DATE COLLECTED RELINQUISHED BY / AFFILIATION UNN. CAR TIME Gentra COMPOSITE Vonovan DATE Section B Required Project Information: Project Number: Project Name: 2600 Sy Sad Purchase Order No.: (G=GRAB C=COMP) **SAMPLE TYPE** S MATRIX CODE Report To: Copy To: Matrix Codes MATRIX / CODE Drinking Water Water
Waste Water
Product
Soil/Solid
Oil
Wipe
Air
Tissue
Other SGENTING INMCONSING Stanlow ONSIN FINA ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE -ndiahapolis, SAMPLE ID Section D Required Client Information Section A Required Client Information: Requested Due Date/TAT: **§** Company: 1 Address: Phone: 9 10 'n 8 # WBTI

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

(N/A)

(N/A)

Custody Sealed Cooler

Ice (Y/V)

Received on

J. uj dwej

(MM/DD/YY): 09/29/09

2445

PRINT Name of SAMPLER: DOMOVILY

ORIGINAL

两四四四四

Dace Debi

SIGNATURE of SAMPLER:

SAMPLER NAME AND SIGNATURE

Z

11.3

9/30/08

1.2

Sai	mple Condition Upon Receip	t
Pace Analytical Client Name	e: IWM	Project # 50194(8
Courier: Fed Ex UPS USPS Clie		Optional Prokadeloate
Custody Seal on Cooler/Box Present: yes	no Seals intact: 🗌 yes	no Rrol Nante
Packing Material: Bubble Wrap Bubble	Bags None Other	
Thermometer Used 123456	Type of Ice: Wet Blue None	Samples on ice, cooling process has begun
Cooler Temperature	Biological Tissue is Frozen: Yes No Comments:	Date and Initials of person examining contents: 913からと フオ
Chain of Custody Present:	Yes □No □N/A 1.	
Chain of Custody Filled Out:	Yes 🗆 No 🗀 N/A 2.	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A 3.	
Sampler Name & Signature on COC:	√Yes □No □N/A 4.	
Samples Arrived within Hold Time:	∠ZYes □No □N/A 5.	
Short Hold Time Analysis (<72hr):	EYES UNO UNIA 6. TOYTO	Coved
Rush Turn Around Time Requested:	□Yes □No ,⊠Ń/A 7.	
Sufficient Volume:	☑Yes ☐No ☐N/A 8.	
Correct Containers Used:	ØYes □No □N/A 9.	
-Pace Containers Used:	ZYes □No □N/A	
Containers Intact:	ØYes □No □N/A 10.	
Filtered volume received for Dissolved tests	□Yes □No ☑Ñ/A 11.	
Sample Labels match COC:	ØYes □No □N/A 12.	
-Includes date/time/ID/Analysis Matrix:	SL	
All containers needing preservation have been checked.	□Yes □No ⊅ÃÑ/A 13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	□Yes □No ØN/A	
exceptions: VOA, collform, TOC, O&G, Wi-DRO (water)	□Yes □No Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	□Yes □No □M/A 14.	
Headspace in VOA Vials (>6mm):	□Yes □No ☑N/A 15.	
Trip Blank Present:	□Yes □No □M/A 16.	
Trip Blank Custody Seals Present	□Yes □No ØN/A	
Pace Trip Blank Lot # (if purchased): N	-	
Client Notification/ Resolution:		Field Data Required? Y / N
Person Contacted:	Date/Time:	
Comments/ Resolution:		

Project Manager Review: 4111111 4 Date: 9/30/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)





October 15, 2008

Mr. Brad Gentry **IWM Consulting** 7428 Rockville Road Indianapolis, IN 46214

RE: Project: 2600 Duncan Road

Pace Project No.: 5019514

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on October 02, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

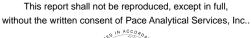
kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures



REPORT OF LABORATORY ANALYSIS







SAMPLE SUMMARY

Project: 2600 Duncan Road

Pace Project No.: 5019514

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5019514001	Base 5	Solid	09/30/08 09:00	10/02/08 07:54
5019514002	Stockpile 3	Solid	09/30/08 11:30	10/02/08 07:54





SAMPLE ANALYTE COUNT

Project: 2600 Duncan Road

Pace Project No.: 5019514

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5019514001	Base 5	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2
019514002	Stockpile 3	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2





Project: 2600 Duncan Road

Pace Project No.: 5019514

Sample: Base 5	Lab ID: 5019514	1001 Collected: 09/30	08 09:00	Received: 10	0/02/08 07:54	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results	Units Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method:	EPA 8015 Mod Ext Prepar	ation Me	thod: EPA 3546			
TPH-ERO	ND mg/kg	10.3	1	10/06/08 00:00	10/06/08 20:0	4	
n-Pentacosane (S)	48 %	45-170	1	10/06/08 00:00	10/06/08 20:0	4 629-99-2	
8015 GRO 5035	Analytical Method:	EPA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.0	1		10/10/08 23:0	6	
4-Bromofluorobenzene (S)	142 %	40-159	1		10/10/08 23:0	6 460-00-4	
6010 MET ICP	Analytical Method:	EPA 6010 Preparation Me	thod: EP/	A 3050			
Arsenic	4.4 mg/kg	1.9	1	10/06/08 00:00	10/07/08 15:5	6 7440-38-2	
Barium	13.1 mg/kg	1.9	1	10/06/08 00:00	10/07/08 15:5	6 7440-39-3	
Cadmium	ND mg/kg	1.9	1	10/06/08 00:00	10/07/08 15:5	6 7440-43-9	
Chromium	8.5 mg/kg	1.9	1	10/06/08 00:00	10/07/08 15:5	6 7440-47-3	
Lead	5.5 mg/kg	1.9	1	10/06/08 00:00	10/07/08 15:5	6 7439-92-1	
Selenium	ND mg/kg	1.9	1	10/06/08 00:00	10/07/08 15:5	6 7782-49-2	
Silver	ND mg/kg	1.9	1	10/06/08 00:00	10/07/08 15:5	6 7440-22-4	
7471 Mercury	Analytical Method:	EPA 7471 Preparation Me	thod: EP/	A 7471			
Mercury	ND mg/kg	0.34	1	10/06/08 00:00	10/08/08 14:5	3 7439-97-6	
Percent Moisture	Analytical Method:	ASTM D2974-87					
Percent Moisture	3.4 %	0.10	1		10/07/08 16:4	8	

Date: 10/15/2008 03:05 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Road

Pace Project No.: 5019514

Lab ID: 5019514002 Sample: Stockpile 3 Collected: 09/30/08 11:30 Received: 10/02/08 07:54 Matrix: Solid Results reported on a "dry-weight" basis **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual 8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546 TPH-ERO 5 232 mg/kg 54.3 10/06/08 00:00 10/06/08 21:56 n-Pentacosane (S) 89 % 45-170 5 10/06/08 00:00 10/06/08 21:56 629-99-2 8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur Gasoline Range Organics ND mg/kg 1.2 1 10/10/08 23:29 4-Bromofluorobenzene (S) 138 % 40-159 1 10/10/08 23:29 460-00-4 **6010 MET ICP** Analytical Method: EPA 6010 Preparation Method: EPA 3050 Arsenic 7.5 mg/kg 10/06/08 00:00 10/07/08 16:02 7440-38-2 **Barium** 83.3 mg/kg 2.1 1 10/06/08 00:00 10/07/08 16:02 7440-39-3 Cadmium ND mg/kg 2.1 1 10/06/08 00:00 10/07/08 16:02 7440-43-9 Chromium 19.6 mg/kg 2.1 10/06/08 00:00 10/07/08 16:02 7440-47-3 1 Lead 92.4 mg/kg 2.1 1 10/06/08 00:00 10/07/08 16:02 7439-92-1 Selenium ND mg/kg 2.1 10/06/08 00:00 10/07/08 16:02 7782-49-2 1 Silver 2.1 10/06/08 00:00 10/07/08 16:02 7440-22-4 ND mg/kg 1 7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471 Mercury ND mg/kg 0.37 10/06/08 00:00 10/08/08 14:54 7439-97-6 **Percent Moisture** Analytical Method: ASTM D2974-87 7.9 % Percent Moisture 0.10 10/07/08 16:48 1

Date: 10/15/2008 03:05 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Road

Pace Project No.: 5019514

QC Batch: MPRP/3547 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 5019514001, 5019514002

METHOD BLANK: 219324 Matrix: Solid

Associated Lab Samples: 5019514001, 5019514002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND ND	2.0	10/07/08 14:43	
Barium	mg/kg	ND	2.0	10/07/08 14:43	
Cadmium	mg/kg	ND	2.0	10/07/08 14:43	
Chromium	mg/kg	ND	2.0	10/07/08 14:43	
Lead	mg/kg	ND	2.0	10/07/08 14:43	
Selenium	mg/kg	ND	2.0	10/07/08 14:43	
Silver	mg/kg	ND	2.0	10/07/08 14:43	

LABORATORY	CONTROL SAMPLE:	219325
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Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.8	106	85-118	
Barium	mg/kg	50	53.8	108	84-118	
Cadmium	mg/kg	50	48.7	97	83-115	
Chromium	mg/kg	50	51.0	102	82-117	
Lead	mg/kg	50	49.0	98	83-116	
Selenium	mg/kg	50	47.9	96	82-116	
Silver	mg/kg	25	25.3	101	77-123	

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21932	6		219327							
		019533001	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	0 1
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	ND	64.6	66.6	70.8	73.5	105	107	70-127	4	20	
Barium	mg/kg	92.2	64.6	66.6	160	160	58	57	60-140	0	20	M3
Cadmium	mg/kg	ND	64.6	66.6	57.9	61.5	86	89	65-120	6	20	
Chromium	mg/kg	46.7	64.6	66.6	121	132	90	104	60-130	9	20	
Lead	mg/kg	62.2	64.6	66.6	137	117	85	51	60-140	16	20	M3
Selenium	mg/kg	ND	64.6	66.6	61.3	63.1	93	93	60-130	3	20	
Silver	mg/kg	ND	32.4	33.3	33.6	34.4	104	103	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	219328	219329

	50	19600002	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	7.9	52.2	52.6	54.9	54.4	90	88	70-127	1	20	
Barium	mg/kg	69.6	52.2	52.6	125	121	107	98	60-140	4	20	
Cadmium	mg/kg	ND	52.2	52.6	40.9	41.6	78	79	65-120	2	20	

Date: 10/15/2008 03:05 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Road

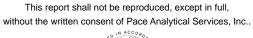
Pace Project No.: 5019514

Date: 10/15/2008 03:05 PM

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21932	8		219329							
	50	019600002	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chromium	mg/kg	12.9	52.2	52.6	61.6	63.3	93	96	60-130	3	20	
Lead	mg/kg	44.5	52.2	52.6	80.5	90.3	69	87	60-140	11	20	
Selenium	mg/kg	ND	52.2	52.6	43.7	43.8	82	81	60-130	0	20	
Silver	mg/kg	ND	26	26.4	23.1	23.1	88	88	70-130	0	20	

REPORT OF LABORATORY ANALYSIS

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Analysis Description:

Project: 2600 Duncan Road

Pace Project No.: 5019514

QC Batch: OEXT/9726
QC Batch Method: EPA 3546

Analysis Method: EPA 8015

EPA 8015 Mod Ext EPA 8015 Modified

Associated Lab Samples: 5019514001, 5019514002

METHOD BLANK: 219349 Matrix: Solid

Associated Lab Samples: 5019514001, 5019514002

Blank Reporting Limit Qualifiers Parameter Units Result Analyzed TPH-ERO ND 10.0 10/06/08 16:18 mg/kg n-Pentacosane (S) % 82 45-170 10/06/08 16:18

LABORATORY CONTROL SAMPLE: 219350

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
TPH-ERO	mg/kg	83.3	45.1	54	41-139	
n-Pentacosane (S)	%			63	45-170	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219777 219778

	50	019320010	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
TPH-ERO	mg/kg	ND	86.3	86.3	36.3	43.0	41	49	40-146	17	20	
n-Pentacosane (S)	%						48	54	45-170		20	

Date: 10/15/2008 03:05 PM





Project: 2600 Duncan Road

Pace Project No.: 5019514

QC Batch: MERP/1835 Analysis Method: EPA 7471

QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019514001, 5019514002

METHOD BLANK: 219367 Matrix: Solid

Associated Lab Samples: 5019514001, 5019514002

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Mercury mg/kg ND 0.33 10/08/08 14:28

LABORATORY CONTROL SAMPLE: 219368

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.51 102 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219369 219370

MS MSD 5019533001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 50-150 6 20 Mercury ND .64 .67 0.65 0.69 96 99 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219371 219372

MS MSD MS MSD MS 5019600002 Spike Spike MSD % Rec Max Limits RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec RPD Qual Mercury ND .52 .52 0.67 0.69 127 131 50-150 3 20 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219373 219374

MS MSD 5019275010 Spike Spike MS MSD MS MSD % Rec Max RPD RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Mercury ND .55 .55 0.59 0.60 105 50-150 20 mg/kg

Date: 10/15/2008 03:05 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Road

Pace Project No.: 5019514

QC Batch: PMST/2983 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019514001, 5019514002

SAMPLE DUPLICATE: 220012

5019498002 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 15.9 Percent Moisture 15.9 0 5

SAMPLE DUPLICATE: 220013

5019514002 Dup Max RPD RPD Parameter Units Result Result Qualifiers Percent Moisture % 7.9 7.2 9 5 R2

Date: 10/15/2008 03:05 PM REPORT OF LABORATORY ANALYSIS

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2600 Duncan Road Project:

Pace Project No.: 5019514

QC Batch: GCV/5676 QC Batch Method: EPA 8015 Mod Pur

Analysis Method: Analysis Description: 8015 Solid GCV

EPA 8015 Mod Pur

Associated Lab Samples: 5019514001, 5019514002

METHOD BLANK: 222132 Matrix: Solid

Associated Lab Samples: 5019514001, 5019514002

Reporting Blank Limit Parameter Result Qualifiers Units Analyzed Gasoline Range Organics ND 10/10/08 17:52 mg/kg 1.0

% 4-Bromofluorobenzene (S) 138 40-159 10/10/08 17:52

LABORATORY CONTROL SAMPLE: 222133

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Gasoline Range Organics mg/kg 10 9.4 94 79-128 4-Bromofluorobenzene (S) % 161 40-159 S0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 222134 222135

MSD MS 5019582025 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Gasoline Range Organics mg/kg ND 7.3 8.9 3.0 3.7 37 38 40-135 19 20 M0 4-Bromofluorobenzene (S) % 147 148 40-159 20 R1

Date: 10/15/2008 03:05 PM





QUALIFIERS

Project: 2600 Duncan Road

Pace Project No.: 5019514

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

Date: 10/15/2008 03:05 PM

MO	Matrix spike recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.

R1 RPD value was outside control limits.

R2 RPD value was outside control limits due to matrix interference

S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical www.pacelats.com

46513 DRINKING WATER OTHER K GROUND WATER [Page: REGULATORY AGENCY RCRA Requested Analysis Filtered (Y/N) NPDES STATE Site Location UST Attention: BRAP Centry Company Name: 10 M SAME Ze Invoice Information: Manager: Pace Profile #: Section C Pace Quote Reference: Pace Project Address: DUNCAR Project Number: j.W. LAF. GLCDC 2600 Z Duncau GENTRY Section B Required Project Information: Project Name: 2600 Report To: BRAD Purchase Order No.: Copy To: Email To: 6 gentry @ juan coasult.com COMPANY WITH CONSUCTING GROUP 317-347-2496 Address: 7428 Rockwille Rd 46214 Requested Due Date TAT Standard Section A Required Client Information: Indv , M 1)1)-L+S-L12

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Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid wittin 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

. Pace Analytical* Project # 501951 Client Name: WM Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: Custody Seal on Cooler/Box Present: yes no Seals intact: yes __ no Packing Material: Bubble Wrap Bubble Bags None Other Thermometer Used Type of Ice: (Wet Blue None Samples on ice, cooling process has begun Date and initials of person examining contents: 1 0 レ の とつ・ Biological Tissue is Frozen: Yes No **Cooler Temperature** Temp should be above freezing to 6°C Comments: Chain of Custody Present: DYes □No □N/A 1. Chain of Custody Filled Out: DYES DNO DN/A 2. Chain of Custody Relinquished: DYes □No □N/A 3. Sampler Name & Signature on COC: ☐Yes ☐No ☐N/A 4. Samples Arrived within Hold Time: ÆYes □No □N/A 5. Short Hold Time Analysis (<72hr): -EYes □No □N/A 6. Terra cires Rush Turn Around Time Requested: □Yes □No ŪΝ/A 7. Sufficient Volume: DYes □No □N/A 8. Correct Containers Used: √2¥es □No □N/A 9. -Pace Containers Used: ☑Yes □No □n/A Containers Intact: Chres □No □N/A 10. Filtered volume received for Dissolved tests □Yes □No □N/A 11. Sample Labels match COC: PYes □No □N/A 12. -Includes date/time/ID/Analysis SL All containers needing preservation have been checked. □Yes □No ☑MÎA 13. All containers needing preservation are found to be in □Yes □No □N/A compliance with EPA recommendation. Initial when Lot # of added ☐Yes ☐No exceptions: VOA, coliform, TOC, O&G, Wi-DRO (water) completed preservative Samples checked for dechlorination: □Yes □No □N/A 14. Headspace in VOA Vials (>6mm): □N/A 15. □Yes □No Trip Blank Present: □Yes □No ☑N/A 116. Trip Blank Custody Seals Present □Yes □No □N/A Pace Trip Blank Lot # (if purchased): NIA Client Notification/ Resolution: Field Data Required? Y / N Person Contacted: Date/Time: Comments/ Resolution:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Project Manager Review:

Date:





October 15, 2008

Mr. Brad Gentry IWM Consulting 7428 Rockville Road Indianapolis, IN 46214

RE: Project: 2600 Duncan Rd

Pace Project No.: 5019551

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on October 02, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures







SAMPLE SUMMARY

Project: 2600 Duncan Rd

Pace Project No.: 5019551

Lab ID	Sample ID	Matrix	Date Collected	Date Received	
5019551001	Sidewall 1	Solid	10/02/08 08:30	10/02/08 16:10	
5019551002	Sidewall 2	Solid	10/02/08 11:00	10/02/08 16:10	
5019551003	Sidewall 3	Solid	10/02/08 15:00	10/02/08 16:10	





SAMPLE ANALYTE COUNT

Project: 2600 Duncan Rd

Pace Project No.: 5019551

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5019551001	Sidewall 1	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2
5019551002	Sidewall 2	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2
5019551003	Sidewall 3	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2





Project: 2600 Duncan Rd

Pace Project No.: 5019551

Sample: Sidewall 1	Lab ID: 5019	551001	Collected: 10/02/0	8 08:30	Received: 10	/02/08 16:10 M	Matrix: Solid	
Results reported on a "dry-weig	ght" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Metho	od: EPA 80°	15 Mod Ext Prepara	ition Me	thod: EPA 3546			
TPH-ERO	ND mg/	/kg	10.2	1	10/08/08 00:00	10/09/08 00:19		
n-Pentacosane (S)	58 %		45-170	1	10/08/08 00:00	10/09/08 00:19	629-99-2	
8015 GRO 5035	Analytical Metho	od: EPA 80°	15 Mod Pur					
Gasoline Range Organics	ND mg/	/kg	1.2	1		10/13/08 19:56		
4-Bromofluorobenzene (S)	73 %		40-159	1		10/13/08 19:56	460-00-4	
6010 MET ICP	Analytical Metho	od: EPA 60	10 Preparation Meth	nod: EP	A 3050			
Arsenic	3.8 mg/	/kg	2.0	1	10/06/08 00:00	10/07/08 16:08	7440-38-2	
Barium	12.0 mg/	/kg	2.0	1	10/06/08 00:00	10/07/08 16:08	7440-39-3	
Cadmium	ND mg/	/kg	2.0	1	10/06/08 00:00	10/07/08 16:08	7440-43-9	
Chromium	8.3 mg/	/kg	2.0	1	10/06/08 00:00	10/07/08 16:08	7440-47-3	
Lead	4.3 mg/	/kg	2.0	1	10/06/08 00:00	10/07/08 16:08	7439-92-1	
Selenium	ND mg/	/kg	2.0	1	10/06/08 00:00	10/07/08 16:08	7782-49-2	
Silver	ND mg/	/kg	2.0	1	10/06/08 00:00	10/07/08 16:08	7440-22-4	
7471 Mercury	Analytical Metho	od: EPA 74	71 Preparation Meth	nod: EP	A 7471			
Mercury	ND mg/	/kg	0.34	1	10/06/08 00:00	10/08/08 14:56	7439-97-6	
Percent Moisture	Analytical Metho	od: ASTM E	02974-87					
Percent Moisture	2.0 %		0.10	1		10/08/08 17:17		

Date: 10/15/2008 03:41 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019551

Sample: Sidewall 2	Lab ID: 501955	1002	Collected:	10/02/0	8 11:00	Received: 10	0/02/08 16:10	Matrix: Solid	
Results reported on a "dry-weig	ht" basis								
Parameters	Results	Units	Report	Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method:	: EPA 80	15 Mod Ext	Prepara	ation Met	hod: EPA 3546			
TPH-ERO	ND mg/kg	I		11.3	1	10/08/08 00:00	10/09/08 04:24	4	
n-Pentacosane (S)	65 %		4	5-170	1	10/08/08 00:00	10/09/08 04:24	4 629-99-2	
8015 GRO 5035	Analytical Method:	: EPA 80	15 Mod Pur						
Gasoline Range Organics	ND mg/kg	1		0.96	1		10/13/08 20:19	9	
4-Bromofluorobenzene (S)	86 %		4	0-159	1		10/13/08 20:19	9 460-00-4	
6010 MET ICP	Analytical Method:	: EPA 60	10 Preparati	ion Meth	nod: EPA	A 3050			
Arsenic	8.8 mg/kg	I		2.2	1	10/06/08 00:00	10/07/08 16:13	3 7440-38-2	
Barium	99.5 mg/kg	l		2.2	1	10/06/08 00:00	10/07/08 16:13	3 7440-39-3	
Cadmium	ND mg/kg	l		2.2	1	10/06/08 00:00	10/07/08 16:13	3 7440-43-9	
Chromium	16.6 mg/kg	I		2.2	1	10/06/08 00:00	10/07/08 16:13	3 7440-47-3	
Lead	13.7 mg/kg	l		2.2	1	10/06/08 00:00	10/07/08 16:13	3 7439-92-1	
Selenium	ND mg/kg	l		2.2	1	10/06/08 00:00	10/07/08 16:13	3 7782-49-2	
Silver	ND mg/kg	I		2.2	1	10/06/08 00:00	10/07/08 16:13	3 7440-22-4	
7471 Mercury	Analytical Method:	: EPA 74	71 Preparati	ion Meth	nod: EPA	A 7471			
Mercury	ND mg/kg	I		0.39	1	10/06/08 00:00	10/08/08 14:5	7 7439-97-6	
Percent Moisture	Analytical Method:	: ASTM I	D2974-87						
Percent Moisture	11.8 %			0.10	1		10/08/08 17:1	7	

Date: 10/15/2008 03:41 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019551

Lab ID: 5019551003 Sample: Sidewall 3 Collected: 10/02/08 15:00 Received: 10/02/08 16:10 Matrix: Solid Results reported on a "dry-weight" basis **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual 8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546 TPH-ERO 10/08/08 00:00 10/09/08 01:08 ND mg/kg 10.2 n-Pentacosane (S) 70 % 45-170 10/08/08 00:00 10/09/08 01:08 629-99-2 8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur Gasoline Range Organics ND mg/kg 0.97 1 10/13/08 20:41 4-Bromofluorobenzene (S) 79 % 40-159 1 10/13/08 20:41 460-00-4 **6010 MET ICP** Analytical Method: EPA 6010 Preparation Method: EPA 3050 Arsenic 4.5 mg/kg 2.0 10/06/08 00:00 10/07/08 16:19 7440-38-2 **Barium** 11.7 mg/kg 2.0 1 10/06/08 00:00 10/07/08 16:19 7440-39-3 Cadmium ND mg/kg 2.0 1 10/06/08 00:00 10/07/08 16:19 7440-43-9 Chromium 4.5 mg/kg 2.0 10/06/08 00:00 10/07/08 16:19 7440-47-3 1 Lead 3.4 mg/kg 2.0 1 10/06/08 00:00 10/07/08 16:19 7439-92-1 Selenium ND mg/kg 2.0 10/06/08 00:00 10/07/08 16:19 7782-49-2 1 Silver 2.0 ND mg/kg 10/06/08 00:00 10/07/08 16:19 7440-22-4 1 7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471 0.35 10/06/08 00:00 10/08/08 15:01 7439-97-6 Mercury ND mg/kg **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/08/08 17:17

2.3 %

Date: 10/15/2008 03:41 PM

Percent Moisture

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019551

QC Batch: MPRP/3547 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 5019551001, 5019551002, 5019551003

METHOD BLANK: 219324 Matrix: Solid

Associated Lab Samples: 5019551001, 5019551002, 5019551003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/07/08 14:43	
Barium	mg/kg	ND	2.0	10/07/08 14:43	
Cadmium	mg/kg	ND	2.0	10/07/08 14:43	
Chromium	mg/kg	ND	2.0	10/07/08 14:43	
Lead	mg/kg	ND	2.0	10/07/08 14:43	
Selenium	mg/kg	ND	2.0	10/07/08 14:43	
Silver	mg/kg	ND	2.0	10/07/08 14:43	

LABORATORY	CONTROL SAMPLE:	219325
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Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.8	106	85-118	
Barium	mg/kg	50	53.8	108	84-118	
Cadmium	mg/kg	50	48.7	97	83-115	
Chromium	mg/kg	50	51.0	102	82-117	
Lead	mg/kg	50	49.0	98	83-116	
Selenium	mg/kg	50	47.9	96	82-116	
Silver	mg/kg	25	25.3	101	77-123	

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21932	6		219327							
		019533001	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	ND	64.6	66.6	70.8	73.5	105	107	70-127	4	20	
Barium	mg/kg	92.2	64.6	66.6	160	160	58	57	60-140	0	20	M3
Cadmium	mg/kg	ND	64.6	66.6	57.9	61.5	86	89	65-120	6	20	
Chromium	mg/kg	46.7	64.6	66.6	121	132	90	104	60-130	9	20	
Lead	mg/kg	62.2	64.6	66.6	137	117	85	51	60-140	16	20	M3
Selenium	mg/kg	ND	64.6	66.6	61.3	63.1	93	93	60-130	3	20	
Silver	mg/kg	ND	32.4	33.3	33.6	34.4	104	103	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219	328 219329
--	------------

			MS	MSD								
	50	19600002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	7.9	52.2	52.6	54.9	54.4	90	88	70-127	1	20	
Barium	mg/kg	69.6	52.2	52.6	125	121	107	98	60-140	4	20	
Cadmium	mg/kg	ND	52.2	52.6	40.9	41.6	78	79	65-120	2	20	

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REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019551

Date: 10/15/2008 03:41 PM

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21932	8		219329							
Parameter	50 Units	019600002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	 mg/kg	12.9	52.2	52.6	61.6	63.3	93	96	60-130	3	20	
Lead	mg/kg	44.5	52.2	52.6	80.5	90.3	69	87	60-140	11	20	
Selenium	mg/kg	ND	52.2	52.6	43.7	43.8	82	81	60-130	0	20	
Silver	mg/kg	ND	26	26.4	23.1	23.1	88	88	70-130	0	20	

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019551

QC Batch: MERP/1835 Analysis Method: EPA 7471

QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019551001, 5019551002, 5019551003

METHOD BLANK: 219367 Matrix: Solid

Associated Lab Samples: 5019551001, 5019551002, 5019551003

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Mercury mg/kg ND 0.33 10/08/08 14:28

LABORATORY CONTROL SAMPLE: 219368

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.51 102 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219369 219370

MS MSD 5019533001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 50-150 6 20 Mercury ND .64 .67 0.65 0.69 96 99 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219371 219372

MS MSD MS MSD MS 5019600002 Spike Spike MSD % Rec Max Limits RPD Qual Parameter Units Result Conc. Conc. Result Result % Rec % Rec RPD Mercury ND .52 .52 0.67 0.69 127 131 50-150 3 20 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219373 219374

MS MSD 5019275010 Spike Spike MS MSD MS MSD % Rec Max RPD RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Mercury ND .55 .55 0.59 0.60 105 50-150 20 mg/kg

Date: 10/15/2008 03:41 PM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019551

QC Batch: OEXT/9758 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5019551001, 5019551002, 5019551003

METHOD BLANK: 220071 Matrix: Solid

Associated Lab Samples: 5019551001, 5019551002, 5019551003

Blank Reporting
Parameter Units Result Limit

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 TPH-ERO
 mg/kg
 ND
 10.0
 10/08/08 23:30

 n-Pentacosane (S)
 %
 59
 45-170
 10/08/08 23:30

LABORATORY CONTROL SAMPLE: 220072

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers TPH-ERO mg/kg 83.3 55.8 67 41-139 n-Pentacosane (S) % 74 45-170

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 220073 220074

	50	019626007	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
TPH-ERO	mg/kg	2980	100	100	3440	2780	457	-206	40-146	21	20	P6,R1
n-Pentacosane (S)	%						0	0	45-170		20	S4

Date: 10/15/2008 03:41 PM







Project: 2600 Duncan Rd

Pace Project No.: 5019551

QC Batch: PMST/2985 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019551001, 5019551002, 5019551003

SAMPLE DUPLICATE: 220416

5019551001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 2.0 2 Percent Moisture 2.1 5

SAMPLE DUPLICATE: 220417

5019626007 Dup Max RPD RPD Parameter Units Result Result Qualifiers Percent Moisture % 16.8 15.8 6 5 R2

Date: 10/15/2008 03:41 PM





Project: 2600 Duncan Rd

Pace Project No.: 5019551

QC Batch: GCV/5690 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 Solid GCV

Associated Lab Samples: 5019551001, 5019551002, 5019551003

METHOD BLANK: 222493 Matrix: Solid

Associated Lab Samples: 5019551001, 5019551002, 5019551003

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 Gasoline Range Organics
 mg/kg
 ND
 1.0
 10/13/08 15:48

 4-Bromofluorobenzene (S)
 %
 79
 40-159
 10/13/08 15:48

LABORATORY CONTROL SAMPLE: 222494

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Gasoline Range Organics mg/kg 10 9.1 91 79-128 4-Bromofluorobenzene (S) % 102 40-159

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 222495 222496

			MS	MSD								
	50	019588001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Gasoline Range Organics	mg/kg	ND	8.2	7.4	5.3	4.6	60	57	40-135	14	20	
4-Bromofluorobenzene (S)	%						84	87	40-159		20	

Date: 10/15/2008 03:41 PM REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 2600 Duncan Rd

Pace Project No.: 5019551

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

Surrogate recovery not evaluated against control limits due to sample dilution.

ANALYTE QUALIFIERS

Date: 10/15/2008 03:41 PM

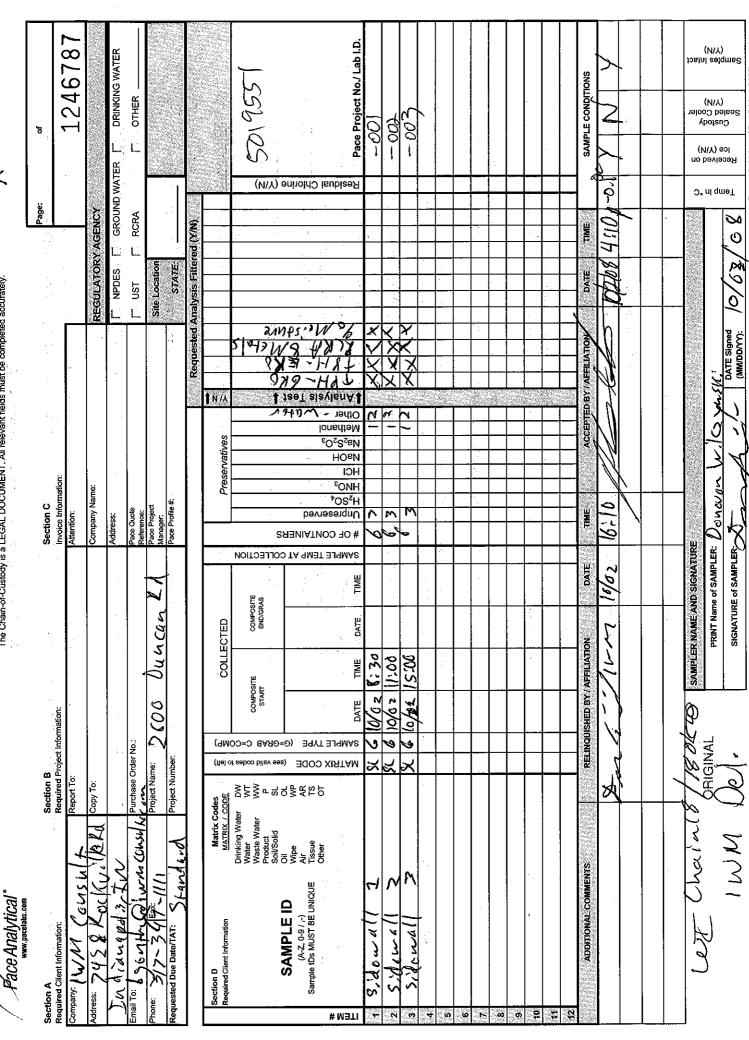
S4

M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
R2	RPD value was outside control limits due to matrix interference



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately.



*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt face Analytical " Project # 50195 Client Name: Courier: Fed Ex UPS USPS Client Commercial Pace Other ard (Due Date) Tracking #: Custody Seal on Cooler/Box Present: ☐ yes 1 no Seals intact: <u></u> no Packing Material: Bubble Wrap Bubble Bags None Cother Thermometer Used Type of Ice: Wet ∕Blue Samples on ice, cooling process has begun Date and initials of person examining Biological Tissue is Frozen: Yes **Cooler Temperature** contents: Temp should be above freezing to 6°C Comments: □Yes □No □N/A Chain of Custody Present: Yes INo Chain of Custody Filled Out: []N/A ☑Yes ☑No ☑N/A Chain of Custody Relinquished: Sampler Name & Signature on COC: □n/a Samples Arrived within Hold Time: ☐Yes ☐N6 ☐N/A Short Hold Time Analysis (<72hr): □xes □No □N/A Rush Turn Around Time Requested: ☐Yes ☐No _DN/A Sufficient Volume: ☐Yes ☐NO ☐N/A □Yes □No Correct Containers Used: □N/A 9. -Pace Containers Used: ElYes □N6 _ □N/A □yes □No □n/a Containers Intact: □Yes ∠□No Filtered volume received for Dissolved tests □)WA ∐Tes □No Sample Labels match COC: □NA -Includes date/time/ID/Analysis All containers needing preservation have been checked. ☐Yes ☐No **□**N/A All containers needing preservation are found to be in □Yes □No J⊒tV/A compliance with EPA recommendation. Initial when Lot # of added ☐Yes ☐Mo exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) completed preservative Samples checked for dechlorination: ☐Yes ☐No **□**M/A Headspace in VOA Vials (>6mm): ☐Yes ☐No □N/A 15. Trip Blank Present: ☐Yes ☐No IJN/A **46**. Trip Blank Custody Seals Present □Yes □No ĽÍN/A Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Field Data Required? Person Contacted: Date/Time: Comments/ Resolution:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Project Manager Review:





October 16, 2008

Mr. Brad Gentry IWM Consulting 7428 Rockville Road Indianapolis, IN 46214

RE: Project: 2600 Duncan Rd

Pace Project No.: 5019600

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

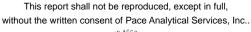
kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures



REPORT OF LABORATORY ANALYSIS







SAMPLE SUMMARY

Project: 2600 Duncan Rd

Pace Project No.: 5019600

Lab ID	Sample ID	Matrix	Date Collected	Date Received	
5019600001	Sidewall 4	Solid	10/03/08 08:50	10/03/08 16:26	
5019600002	Stockpile 4	Solid	10/03/08 10:00	10/03/08 16:26	
5019600003	Sidewall 5	Solid	10/03/08 11:20	10/03/08 16:26	
5019600004	Sidewall 6	Solid	10/03/08 13:30	10/03/08 16:26	
5019600005	Duplicate	Solid	10/03/08 08:00	10/03/08 16:26	





SAMPLE ANALYTE COUNT

Project: 2600 Duncan Rd

Pace Project No.: 5019600

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5019600001	Sidewall 4	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2
5019600002	Stockpile 4	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2
5019600003	Sidewall 5	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2
5019600004	Sidewall 6	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2
5019600005	Duplicate	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2





Project: 2600 Duncan Rd

Pace Project No.: 5019600

Sample: Sidewall 4	Lab ID: 501960000	O1 Collected: 10/03/	08 08:50	Received: 10)/03/08 16:26 N	Matrix: Solid	
Results reported on a "dry-weig	ıht" basis						
Parameters	Results Ur	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EF	PA 8015 Mod Ext Prepara	ation Me	ethod: EPA 3546			
TPH-ERO	12.2 mg/kg	10.9	1	10/09/08 00:00	10/09/08 17:11		
n-Pentacosane (S)	69 %	45-170	1	10/09/08 00:00	10/09/08 17:11	629-99-2	
8015 GRO 5035	Analytical Method: Ef	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.2	1		10/14/08 02:18		
4-Bromofluorobenzene (S)	80 %	40-159	1		10/14/08 02:18	460-00-4	
6010 MET ICP	Analytical Method: Ef	PA 6010 Preparation Met	hod: EP	PA 3050			
Arsenic	5.9 mg/kg	2.1	1	10/06/08 00:00	10/07/08 16:36	7440-38-2	
Barium	75.2 mg/kg	2.1	1	10/06/08 00:00	10/07/08 16:36	7440-39-3	
Cadmium	ND mg/kg	2.1	1	10/06/08 00:00	10/07/08 16:36	7440-43-9	
Chromium	9.8 mg/kg	2.1	1	10/06/08 00:00	10/07/08 16:36	7440-47-3	
Lead	13.9 mg/kg	2.1	1	10/06/08 00:00	10/07/08 16:36	7439-92-1	
Selenium	ND mg/kg	2.1	1	10/06/08 00:00	10/07/08 16:36	7782-49-2	
Silver	ND mg/kg	2.1	1	10/06/08 00:00	10/07/08 16:36	7440-22-4	
7471 Mercury	Analytical Method: Ef	PA 7471 Preparation Met	hod: EP	PA 7471			
Mercury	ND mg/kg	0.35	1	10/06/08 00:00	10/08/08 15:03	7439-97-6	
Percent Moisture	Analytical Method: AS	STM D2974-87					
Percent Moisture	8.3 %	0.10	1		10/09/08 17:49		

Date: 10/16/2008 09:41 AM

REPORT OF LABORATORY ANALYSIS





Project: 2600 Duncan Rd

Pace Project No.: 5019600

Sample: Stockpile 4	Lab ID: 501960	0002 Collected: 10/03	/08 10:00	Received: 10)/03/08 16:26 N	Matrix: Solid	
Results reported on a "dry-weig	ght" basis						
Parameters	Results	Units Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method:	EPA 8015 Mod Ext Prepa	ration Me	ethod: EPA 3546			
TPH-ERO	31.8 mg/kg	10.9	1	10/09/08 00:00	10/09/08 17:53		
n-Pentacosane (S)	83 %	45-170	1	10/09/08 00:00	10/09/08 17:53	629-99-2	
8015 GRO 5035	Analytical Method:	EPA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.0	1		10/14/08 02:40		
4-Bromofluorobenzene (S)	86 %	40-159	1		10/14/08 02:40	460-00-4	
6010 MET ICP	Analytical Method:	EPA 6010 Preparation M	ethod: EP	PA 3050			
Arsenic	7.9 mg/kg	2.0	1	10/06/08 00:00	10/07/08 16:42	7440-38-2	
Barium	69.6 mg/kg	2.0	1	10/06/08 00:00	10/07/08 16:42	7440-39-3	
Cadmium	ND mg/kg	2.0	1	10/06/08 00:00	10/07/08 16:42	7440-43-9	
Chromium	12.9 mg/kg	2.0	1	10/06/08 00:00	10/07/08 16:42	7440-47-3	
Lead	44.5 mg/kg	2.0	1	10/06/08 00:00	10/07/08 16:42	7439-92-1	
Selenium	ND mg/kg	2.0	1	10/06/08 00:00	10/07/08 16:42	7782-49-2	
Silver	ND mg/kg	2.0	1	10/06/08 00:00	10/07/08 16:42	7440-22-4	
7471 Mercury	Analytical Method:	EPA 7471 Preparation M	ethod: EP	PA 7471			
Mercury	ND mg/kg	0.36	1	10/06/08 00:00	10/08/08 15:04	7439-97-6	
Percent Moisture	Analytical Method:	ASTM D2974-87					
Percent Moisture	7.9 %	0.10	1		10/09/08 17:49		

Date: 10/16/2008 09:41 AM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019600

Sample: Sidewall 5	Lab ID: 5019600	003 Collected: 10/03/0	08 11:20	Received: 10	/03/08 16:26 N	Matrix: Solid	
Results reported on a "dry-weig	ght" basis						
Parameters	Results I	Units Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method:	EPA 8015 Mod Ext Prepara	ation Me	ethod: EPA 3546			
TPH-ERO	ND mg/kg	10.5	1	10/09/08 00:00	10/09/08 16:42		
n-Pentacosane (S)	79 %	45-170	1	10/09/08 00:00	10/09/08 16:42	629-99-2	
8015 GRO 5035	Analytical Method:	EPA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.0	1		10/14/08 03:47	•	
4-Bromofluorobenzene (S)	83 %	40-159	1		10/14/08 03:47	460-00-4	
6010 MET ICP	Analytical Method:	EPA 6010 Preparation Met	hod: EP	A 3050			
Arsenic	9.3 mg/kg	1.9	1	10/06/08 00:00	10/07/08 17:27	7440-38-2	
Barium	33.8 mg/kg	1.9	1	10/06/08 00:00	10/07/08 17:27	7440-39-3	
Cadmium	ND mg/kg	1.9	1	10/06/08 00:00	10/07/08 17:27	7440-43-9	
Chromium	16.0 mg/kg	1.9	1	10/06/08 00:00	10/07/08 17:27	7440-47-3	
Lead	36.3 mg/kg	1.9	1	10/06/08 00:00	10/07/08 17:27	7439-92-1	
Selenium	ND mg/kg	1.9	1	10/06/08 00:00	10/07/08 17:27	7782-49-2	
Silver	ND mg/kg	1.9	1	10/06/08 00:00	10/07/08 17:27	7440-22-4	
7471 Mercury	Analytical Method:	EPA 7471 Preparation Met	hod: EP	A 7471			
Mercury	ND mg/kg	0.35	1	10/06/08 00:00	10/08/08 15:08	7439-97-6	
Percent Moisture	Analytical Method:	ASTM D2974-87					
Percent Moisture	4.4 %	0.10	1		10/09/08 17:49	1	

Date: 10/16/2008 09:41 AM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019600

Sample: Sidewall 6	Lab ID: 5019600	0004 Collected: 10/03/0	08 13:30	Received: 10	/03/08 16:26 N	Matrix: Solid	
Results reported on a "dry-weig	ght" basis						
Parameters	Results	Units Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method:	EPA 8015 Mod Ext Prepara	ation Me	ethod: EPA 3546			
TPH-ERO	16.8 mg/kg	10.9	1	10/09/08 00:00	10/09/08 16:35		
n-Pentacosane (S)	52 %	45-170	1	10/09/08 00:00	10/09/08 16:35	629-99-2	
8015 GRO 5035	Analytical Method:	EPA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.1	1		10/14/08 04:10		
4-Bromofluorobenzene (S)	88 %	40-159	1		10/14/08 04:10	460-00-4	
6010 MET ICP	Analytical Method:	EPA 6010 Preparation Met	hod: EP	A 3050			
Arsenic	5.8 mg/kg	2.1	1	10/06/08 00:00	10/07/08 17:33	7440-38-2	
Barium	86.0 mg/kg	2.1	1	10/06/08 00:00	10/07/08 17:33	7440-39-3	
Cadmium	ND mg/kg	2.1	1	10/06/08 00:00	10/07/08 17:33	7440-43-9	
Chromium	10.6 mg/kg	2.1	1	10/06/08 00:00	10/07/08 17:33	7440-47-3	
Lead	14.3 mg/kg	2.1	1	10/06/08 00:00	10/07/08 17:33	7439-92-1	
Selenium	ND mg/kg	2.1	1	10/06/08 00:00	10/07/08 17:33	7782-49-2	
Silver	ND mg/kg	2.1	1	10/06/08 00:00	10/07/08 17:33	7440-22-4	
7471 Mercury	Analytical Method:	EPA 7471 Preparation Met	hod: EP	A 7471			
Mercury	ND mg/kg	0.36	1	10/06/08 00:00	10/08/08 15:10	7439-97-6	
Percent Moisture	Analytical Method:	ASTM D2974-87					
Percent Moisture	7.9 %	0.10	1		10/09/08 17:50		

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REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019600

Sample: Duplicate	Lab ID: 501960000	5 Collected: 10/03/	08 08:00	Received: 10	0/03/08 16:26	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results Un	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EF	A 8015 Mod Ext Prepar	ation Me	ethod: EPA 3546			
TPH-ERO	11.2 mg/kg	10.8	1	10/09/08 00:00	10/09/08 16:56	3	
n-Pentacosane (S)	63 %	45-170	1	10/09/08 00:00	10/09/08 16:56	6 629-99-2	
8015 GRO 5035	Analytical Method: EF	A 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.1	1		10/14/08 04:32	2	
4-Bromofluorobenzene (S)	80 %	40-159	1		10/14/08 04:32	2 460-00-4	
6010 MET ICP	Analytical Method: EF	A 6010 Preparation Me	thod: EP	A 3050			
Arsenic	6.2 mg/kg	2.0	1	10/06/08 00:00	10/07/08 17:38	3 7440-38-2	
Barium	74.4 mg/kg	2.0	1	10/06/08 00:00	10/07/08 17:38	3 7440-39-3	
Cadmium	ND mg/kg	2.0	1	10/06/08 00:00	10/07/08 17:38	3 7440-43-9	
Chromium	10.6 mg/kg	2.0	1	10/06/08 00:00	10/07/08 17:38	3 7440-47-3	
Lead	12.0 mg/kg	2.0	1	10/06/08 00:00	10/07/08 17:38	3 7439-92-1	
Selenium	ND mg/kg	2.0	1	10/06/08 00:00	10/07/08 17:38	3 7782-49-2	
Silver	ND mg/kg	2.0	1	10/06/08 00:00	10/07/08 17:38	3 7440-22-4	
7471 Mercury	Analytical Method: EF	A 7471 Preparation Me	thod: EP	A 7471			
Mercury	ND mg/kg	0.35	1	10/06/08 00:00	10/08/08 15:11	7439-97-6	
Percent Moisture	Analytical Method: AS	TM D2974-87					
Percent Moisture	7.8 %	0.10	1		10/09/08 17:50)	

Date: 10/16/2008 09:41 AM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019600

 QC Batch:
 MPRP/3547
 Analysis Method:
 EPA 6010

 QC Batch Method:
 EPA 3050
 Analysis Description:
 6010 MET

 Associated Lab Samples:
 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

METHOD BLANK: 219324 Matrix: Solid

Associated Lab Samples: 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/07/08 14:43	
Barium	mg/kg	ND	2.0	10/07/08 14:43	
Cadmium	mg/kg	ND	2.0	10/07/08 14:43	
Chromium	mg/kg	ND	2.0	10/07/08 14:43	
Lead	mg/kg	ND	2.0	10/07/08 14:43	
Selenium	mg/kg	ND	2.0	10/07/08 14:43	
Silver	mg/kg	ND	2.0	10/07/08 14:43	

LABORATORY	CONTROL	SAMPLE:	219325
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Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.8	106	85-118	
Barium	mg/kg	50	53.8	108	84-118	
Cadmium	mg/kg	50	48.7	97	83-115	
Chromium	mg/kg	50	51.0	102	82-117	
Lead	mg/kg	50	49.0	98	83-116	
Selenium	mg/kg	50	47.9	96	82-116	
Silver	mg/kg	25	25.3	101	77-123	

MATRIX SPIKE & MATRIX	SPIKE DUPLICAT	E: 21932	6	·	219327	·						
Parameter	50 Units	019533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec	RPD	Max RPD	Qual
Arsenic	mg/kg	ND	64.6	66.6	70.8	73.5	105	107	70-127	4	20	
Barium	mg/kg	92.2	64.6	66.6	160	160	58	57	60-140	0	20	M3
Cadmium	mg/kg	ND	64.6	66.6	57.9	61.5	86	89	65-120	6	20	
Chromium	mg/kg	46.7	64.6	66.6	121	132	90	104	60-130	9	20	
Lead	mg/kg	62.2	64.6	66.6	137	117	85	51	60-140	16	20	M3
Selenium	mg/kg	ND	64.6	66.6	61.3	63.1	93	93	60-130	3	20	
Silver	ma/ka	ND	32.4	33.3	33.6	34.4	104	103	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	219328	219329

	50	019600002	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD		Qual
Arsenic	mg/kg	7.9	52.2	52.6	54.9	54.4	90	88	70-127	1	20	
Barium	mg/kg	69.6	52.2	52.6	125	121	107	98	60-140	4	20	
Cadmium	mg/kg	ND	52.2	52.6	40.9	41.6	78	79	65-120	2	20	

Date: 10/16/2008 09:41 AM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd

Pace Project No.: 5019600

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 21932	8		219329					•		
Parameter	50 Units	019600002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	mg/kg	12.9	52.2	52.6	61.6	63.3	93	96	60-130	3	20	
Lead	mg/kg	44.5	52.2	52.6	80.5	90.3	69	87	60-140	11	20	
Selenium	mg/kg	ND	52.2	52.6	43.7	43.8	82	81	60-130	0	20	
Silver	mg/kg	ND	26	26.4	23.1	23.1	88	88	70-130	0	20	

Date: 10/16/2008 09:41 AM



Project: 2600 Duncan Rd

Pace Project No.: 5019600

QC Batch: MERP/1835 Analysis Method: EPA 7471 QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

METHOD BLANK: 219367 Matrix: Solid

Associated Lab Samples: 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

> Blank Reporting

Limit Qualifiers Parameter Units Result Analyzed

ND 0.33 10/08/08 14:28 Mercury mg/kg

LABORATORY CONTROL SAMPLE: 219368

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.51 102 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219369 219370

MS MSD 5019533001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual 6 20 Mercury ND .64 .67 0.65 0.69 96 50-150 mg/kg 99

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219372 219371

MS MSD MS MSD MS 5019600002 Spike Spike MSD % Rec Max RPD Qual Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Mercury ND .52 .52 0.67 0.69 127 131 50-150 3 20 mg/kg

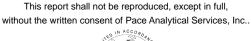
MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219374

MS MSD Spike 5019275010 MS MSD MS Spike MSD % Rec Max RPD RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Mercury ND .55 .55 0.59 0.60 105 50-150 20 mg/kg

Date: 10/16/2008 09:41 AM

REPORT OF LABORATORY ANALYSIS

Page 11 of 15





Qualifiers



QUALITY CONTROL DATA

Project: 2600 Duncan Rd

Pace Project No.: 5019600

QC Batch: OEXT/9770 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

METHOD BLANK: 220492 Matrix: Solid

Associated Lab Samples: 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

Blank Reporting
Parameter Units Result Limit Analyzed

 TPH-ERO
 mg/kg
 ND
 10.0
 10/09/08 15:39

 n-Pentacosane (S)
 %
 88
 45-170
 10/09/08 15:39

LABORATORY CONTROL SAMPLE: 220493

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers TPH-ERO mg/kg 83.3 68.3 82 41-139 n-Pentacosane (S) % 95 45-170

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 220494 220495 MSD MS 5019600002 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual TPH-ERO

mg/kg 31.8 90.4 90.4 88.3 93.8 62 69 40-146 6 20 n-Pentacosane (S) % 82 94 45-170 20

Date: 10/16/2008 09:41 AM







Project: 2600 Duncan Rd

Pace Project No.: 5019600

QC Batch: PMST/2991 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

SAMPLE DUPLICATE: 220923

5019599002 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 8.1 5 R2 Percent Moisture 6.6 21

SAMPLE DUPLICATE: 220924

		5019600002	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	7.9	8.2	5	5	

Date: 10/16/2008 09:41 AM

REPORT OF LABORATORY ANALYSIS





Project: 2600 Duncan Rd

Pace Project No.: 5019600

QC Batch: GCV/5691 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 Solid GCV

Associated Lab Samples: 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

METHOD BLANK: 222497 Matrix: Solid

Associated Lab Samples: 5019600001, 5019600002, 5019600003, 5019600004, 5019600005

Blank Reporting

ParameterUnitsResultLimitAnalyzedQualifiersRange Organicsmg/kgND1.010/14/08 01:56

Gasoline Range Organics mg/kg ND 1.0 10/14/08 01:56 4-Bromofluorobenzene (S) % 69 40-159 10/14/08 01:56

LABORATORY CONTROL SAMPLE: 222498

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Gasoline Range Organics mg/kg 10 8.5 85 79-128 4-Bromofluorobenzene (S) % 96 40-159

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 222499 222500

MSD MS 5019600002 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Gasoline Range Organics mg/kg ND 10.5 10.1 6.8 6.7 60 62 40-135 20 4-Bromofluorobenzene (S) % 95 90 40-159 20

Date: 10/16/2008 09:41 AM





QUALIFIERS

Project: 2600 Duncan Rd

Pace Project No.: 5019600

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

Date: 10/16/2008 09:41 AM

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

R2 RPD value was outside control limits due to matrix interference

This report shall not be reproduced except in full



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1246788 DRINKING WATER OTHER ₽ NPDES I GROUND WATER REGULATORY AGENCY RCRA Requested Analysis Filtered (Y/N) STATE Site Location UST Invoice Information: Company Name: Pace Quote Reference: Pace Project Manager: Pace Profile #; Section C Attention: Address: 7115 Just ひなな くらい Lonovan 909 Section B Required Project Information: Purchase Order No... Project Name: Project Number: Report To: Copy To: baentr-coin mouseled ous althou Pace Analytical www.pacelabs.com Section A Required Client Information: Requested Due Date/TAT: 1111-655-41 Favor 3 Email To: Эотрапу: Address:

	Section D Required Client Information	Matrix Codes				100 	COLLECTED		 			Preservatives	tives	10.000	N/A	-									
	G H	<u>.</u>	M 및 전 M 교 및 C	=GRAB C=CC		COMPOSITE START	COMPOSITE END/GRAB	SITE VAB		0				the compart to the second	1	117431	51749 W		1			(N/A)		SDIGEOR	Osi
# M3TI	Sample IDs MUST BE UNIQUE	Wipe W			DATE	E	DATE	TIME	TA 9MBT BJ9MA8	# OF CONTAINER	H ^S SO ⁴	HCI NgOH	Na ₂ S ₂ O ₃ Methanol	Other – שלגנה	↓Analysis Test マイト/ GKタ	· NS-149	14510W 26					Residual Chlorine		e Project	Pace Project No./ Lab LD.
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Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any involces not wall and any

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

ace Analytical" Project # 5019600 Client Name: _____/// Courler: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: Custody Seal on Cooler/Box Present: yes no Seals intact: yes no Packing Material: Bubble Wrap Bubble Bags None Other Thermometer Used Type of ice: Wet Blue None Samples on ice, cooling process has begun Date and Initials of person examining contents: Biological Tissue is Frozen: Yes **Cooler Temperature** Temp should be above freezing to 6°C Comments: Chain of Custody Present: DK∕es □No □N/A 1. Chain of Custody Filled Out: ØYes □No □N/A ∕∆Yes □No Chain of Custody Relinquished: □N/A 3. □N/A 4. Øves □No Sampler Name & Signature on COC: ØYes □No Samples Arrived within Hold Time: □N/A 5. Short Hold Time Analysis (<72hr): □Yes □No Ø (A 6. Rush Turn Around Time Requested: ☐Yes ☐No D\$N/A Yes □No Sufficient Volume: □N/A Correct Containers Used: Çkyes □No □N/A 9. ØYes □No -Pace Containers Used: □N/A ZYes □No □N/A 10. Containers Intact: Filtered volume received for Dissolved tests ☐Yes ☐No ÌXIN/A 11. GOZ, TC-SED Sample Labels match COC: DKYes □No □N/A 12. -Includes date/time/ID/Analysis Matrix: All containers needing preservation have been checked. □Yes □No ⊠N/A 13. All containers needing preservation are found to be in □Yes □No ☑N/A compliance with EPA recommendation. Initial when Lot # of added □Yes ØNo exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) completed preservative 図N/A 14. Samples checked for dechlorination: □Yes □No □Yes □No 전N/A 15. Headspace in VOA Vials (>6mm): Trip Blank Present: ₩N/A 16. □Yes □No Trip Blank Custody Seals Present □Yes □No Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Field Data Regulred? Y / N Person Contacted: Date/Time: Comments/ Resolution: Project Manager Review: Date:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



October 17, 2008

Mr. Brad Gentry IWM Consulting 7428 Rockville Road Indianapolis, IN 46214

RE: Project: 2600 Duncan Rd.

Pace Project No.: 5019629

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

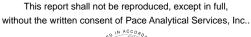
kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures



REPORT OF LABORATORY ANALYSIS







SAMPLE SUMMARY

Project: 2600 Duncan Rd.

Pace Project No.: 5019629

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5019629001	Sidewall 7	Solid	10/06/08 10:30	10/06/08 15:39
5019629002	Sidewall 8	Solid	10/06/08 11:30	10/06/08 15:39
5019629003	Sidewall 9	Solid	10/06/08 13:00	10/06/08 15:39
5019629004	Sidewall 10	Solid	10/06/08 14:00	10/06/08 15:39
5019629005	Sidewall 11	Solid	10/06/08 14:30	10/06/08 15:39





SAMPLE ANALYTE COUNT

Project: 2600 Duncan Rd.

Pace Project No.: 5019629

Lab ID	Sample ID	Method	Analysts	Analytes Reported	
5019629001	Sidewall 7	ASTM D2974-87	RAK	1	
		EPA 6010	FRW	7	
		EPA 7471	LLB	1	
		EPA 8015 Mod Ext	RRB	2	
		EPA 8015 Mod Pur	CEC	2	
5019629002	Sidewall 8	ASTM D2974-87	RAK	1	
		EPA 6010	FRW	7	
		EPA 7471	LLB	1	
		EPA 8015 Mod Ext	RRB	2	
		EPA 8015 Mod Pur	CEC	2	
5019629003	Sidewall 9	ASTM D2974-87	RAK	1	
		EPA 6010	FRW	7	
		EPA 7471	LLB	1	
		EPA 8015 Mod Ext	RRB	2	
		EPA 8015 Mod Pur	CEC	2	
5019629004	Sidewall 10	ASTM D2974-87	RAK	1	
		EPA 6010	FRW	7	
		EPA 7471	LLB	1	
		EPA 8015 Mod Ext	RRB	2	
		EPA 8015 Mod Pur	CEC	2	
5019629005	Sidewall 11	ASTM D2974-87	RAK	1	
		EPA 6010	FRW	7	
		EPA 7471	LLB	1	
		EPA 8015 Mod Ext	RRB	2	
		EPA 8015 Mod Pur	CEC	2	





Project: 2600 Duncan Rd.

Pace Project No.: 5019629

Sample: Sidewall 7	Lab ID: 501962	9001 Collected: 10/06/0	08 10:30	Received: 10	/06/08 15:39 N	Matrix: Solid	
Results reported on a "dry-weig	ght" basis						
Parameters	Results	Units Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method:	EPA 8015 Mod Ext Prepara	ation Me	ethod: EPA 3546			
TPH-ERO	32.4 mg/kg	11.0	1	10/09/08 00:00	10/09/08 18:14		
n-Pentacosane (S)	87 %	45-170	1	10/09/08 00:00	10/09/08 18:14	629-99-2	
8015 GRO 5035	Analytical Method:	EPA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	0.99	1		10/16/08 04:37		
4-Bromofluorobenzene (S)	85 %	40-159	1		10/16/08 04:37	460-00-4	
6010 MET ICP	Analytical Method:	EPA 6010 Preparation Met	hod: EP	A 3050			
Arsenic	17.0 mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:41	7440-38-2	
Barium	53.8 mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:41	7440-39-3	
Cadmium	ND mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:41	7440-43-9	
Chromium	17.4 mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:41	7440-47-3	
Lead	17.1 mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:41	7439-92-1	
Selenium	ND mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:41	7782-49-2	
Silver	ND mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:41	7440-22-4	
7471 Mercury	Analytical Method:	EPA 7471 Preparation Met	hod: EP	A 7471			
Mercury	ND mg/kg	0.37	1	10/07/08 00:00	10/08/08 15:45	7439-97-6	
Percent Moisture	Analytical Method:	ASTM D2974-87					
Percent Moisture	8.8 %	0.10	1		10/09/08 21:05		

Date: 10/17/2008 09:02 AM

REPORT OF LABORATORY ANALYSIS





Project: 2600 Duncan Rd.

Pace Project No.: 5019629

Sample: Sidewall 8	Lab ID: 50196290	02 Collected: 10/06	08 11:30	Received: 10	/06/08 15:39	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results U	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepai	ation Me	thod: EPA 3546			
TPH-ERO	26.4 mg/kg	10.7	1	10/09/08 00:00	10/09/08 18:2	1	
n-Pentacosane (S)	77 %	45-170	1	10/09/08 00:00	10/09/08 18:2	1 629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	0.92	1		10/16/08 06:06	6	
4-Bromofluorobenzene (S)	88 %	40-159	1		10/16/08 06:06	6 460-00-4	
6010 MET ICP	Analytical Method: E	PA 6010 Preparation Me	thod: EP/	A 3050			
Arsenic	6.6 mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:58	3 7440-38-2	
Barium	58.9 mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:58	3 7440-39-3	
Cadmium	ND mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:58	3 7440-43-9	
Chromium	13.3 mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:58	3 7440-47-3	
Lead	22.9 mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:58	3 7439-92-1	
Selenium	ND mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:58	3 7782-49-2	
Silver	ND mg/kg	2.1	1	10/07/08 00:00	10/08/08 12:58	3 7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Me	thod: EP/	A 7471			
Mercury	ND mg/kg	0.34	1	10/07/08 00:00	10/08/08 15:46	6 7439-97-6	
Percent Moisture	Analytical Method: A	STM D2974-87					
Percent Moisture	6.1 %	0.10	1		10/09/08 21:0	5	

Date: 10/17/2008 09:02 AM

REPORT OF LABORATORY ANALYSIS

Page 5 of 15





Project: 2600 Duncan Rd.

Pace Project No.: 5019629

Sample: Sidewall 9	Lab ID: 50196	29003	Collected: 10/06/0	8 13:00	Received: 10	/06/08 15:39 N	Matrix: Solid	
Results reported on a "dry-weig	ght" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Metho	d: EPA 801	15 Mod Ext Prepara	ition Me	thod: EPA 3546			
TPH-ERO	ND mg/k	κg	10.3	1	10/09/08 00:00	10/09/08 16:14		
n-Pentacosane (S)	83 %		45-170	1	10/09/08 00:00	10/09/08 16:14	629-99-2	
8015 GRO 5035	Analytical Metho	d: EPA 801	15 Mod Pur					
Gasoline Range Organics	ND mg/k	κg	1.1	1		10/16/08 06:28		
4-Bromofluorobenzene (S)	90 %		40-159	1		10/16/08 06:28	460-00-4	
6010 MET ICP	Analytical Metho	d: EPA 601	10 Preparation Meth	nod: EP/	A 3050			
Arsenic	5.0 mg/k	κg	2.0	1	10/07/08 00:00	10/08/08 13:04	7440-38-2	
Barium	16.8 mg/k	κg	2.0	1	10/07/08 00:00	10/08/08 13:04	7440-39-3	
Cadmium	ND mg/k	κg	2.0	1	10/07/08 00:00	10/08/08 13:04	7440-43-9	
Chromium	8.7 mg/k	κg	2.0	1	10/07/08 00:00	10/08/08 13:04	7440-47-3	
Lead	4.9 mg/k	κg	2.0	1	10/07/08 00:00	10/08/08 13:04	7439-92-1	
Selenium	ND mg/k	κg	2.0	1	10/07/08 00:00	10/08/08 13:04	7782-49-2	
Silver	ND mg/k	κg	2.0	1	10/07/08 00:00	10/08/08 13:04	7440-22-4	
7471 Mercury	Analytical Metho	d: EPA 747	71 Preparation Meth	nod: EP/	A 7471			
Mercury	ND mg/k	кg	0.34	1	10/07/08 00:00	10/08/08 15:47	7439-97-6	
Percent Moisture	Analytical Metho	d: ASTM D	2974-87					
Percent Moisture	2.8 %		0.10	1		10/09/08 21:05		

Date: 10/17/2008 09:02 AM

REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd.

Pace Project No.: 5019629

Lab ID: 5019629004 Sample: Sidewall 10 Collected: 10/06/08 14:00 Received: 10/06/08 15:39 Matrix: Solid Results reported on a "dry-weight" basis **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual 8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546 TPH-ERO ND mg/kg 10.9 10/09/08 00:00 10/09/08 17:03 n-Pentacosane (S) 74 % 45-170 10/09/08 00:00 10/09/08 17:03 629-99-2 8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur Gasoline Range Organics ND mg/kg 1.4 1 10/16/08 06:50 4-Bromofluorobenzene (S) 90 % 40-159 1 10/16/08 06:50 460-00-4 **6010 MET ICP** Analytical Method: EPA 6010 Preparation Method: EPA 3050 Arsenic 7.1 mg/kg 2.2 10/07/08 00:00 10/08/08 13:10 7440-38-2 **Barium** 80.6 mg/kg 2.2 1 10/07/08 00:00 10/08/08 13:10 7440-39-3 Cadmium ND mg/kg 2.2 1 10/07/08 00:00 10/08/08 13:10 7440-43-9 Chromium 12.7 mg/kg 2.2 10/07/08 00:00 10/08/08 13:10 7440-47-3 1 Lead 12.0 mg/kg 2.2 1 10/07/08 00:00 10/08/08 13:10 7439-92-1 Selenium ND mg/kg 2.2 10/07/08 00:00 10/08/08 13:10 7782-49-2 1 10/07/08 00:00 10/08/08 13:10 7440-22-4 Silver 2.2 ND mg/kg 1 7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471 0.36 10/07/08 00:00 10/08/08 15:52 7439-97-6 Mercury ND mg/kg **Percent Moisture** Analytical Method: ASTM D2974-87 8.3 % Percent Moisture 0.10 10/09/08 21:05 1

Date: 10/17/2008 09:02 AM

REPORT OF LABORATORY ANALYSIS





Project: 2600 Duncan Rd.

Pace Project No.: 5019629

Sample: Sidewall 11	Lab ID: 50196290	05 Collected: 10/06/	08 14:30	Received: 10)/06/08 15:39 I	Matrix: Solid	
Results reported on a "dry-weig	ıht" basis						
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: E	PA 8015 Mod Ext Prepar	ation Me	ethod: EPA 3546			
TPH-ERO	25.9 mg/kg	10.6	1	10/09/08 00:00	10/09/08 17:46	;	
n-Pentacosane (S)	70 %	45-170	1	10/09/08 00:00	10/09/08 17:46	629-99-2	
8015 GRO 5035	Analytical Method: E	PA 8015 Mod Pur					
Gasoline Range Organics	ND mg/kg	1.0	1		10/16/08 07:12		
4-Bromofluorobenzene (S)	91 %	40-159	1		10/16/08 07:12	460-00-4	
6010 MET ICP	Analytical Method: E	PA 6010 Preparation Met	hod: EP	PA 3050			
Arsenic	6.7 mg/kg	1.9	1	10/07/08 00:00	10/08/08 13:15	7440-38-2	
Barium	44.3 mg/kg	1.9	1	10/07/08 00:00	10/08/08 13:15	7440-39-3	
Cadmium	ND mg/kg	1.9	1	10/07/08 00:00	10/08/08 13:15	7440-43-9	
Chromium	9.8 mg/kg	1.9	1	10/07/08 00:00	10/08/08 13:15	7440-47-3	
Lead	16.8 mg/kg	1.9	1	10/07/08 00:00	10/08/08 13:15	7439-92-1	
Selenium	ND mg/kg	1.9	1	10/07/08 00:00	10/08/08 13:15	7782-49-2	
Silver	ND mg/kg	1.9	1	10/07/08 00:00	10/08/08 13:15	7440-22-4	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Met	hod: EP	PA 7471			
Mercury	ND mg/kg	0.34	1	10/07/08 00:00	10/08/08 15:53	7439-97-6	
Percent Moisture	Analytical Method: A	STM D2974-87					
Percent Moisture	5.7 %	0.10	1		10/09/08 21:06	;	

Date: 10/17/2008 09:02 AM

REPORT OF LABORATORY ANALYSIS





Project: 2600 Duncan Rd.

Pace Project No.: 5019629

 QC Batch:
 MPRP/3553
 Analysis Method:
 EPA 6010

 QC Batch Method:
 EPA 3050
 Analysis Description:
 6010 MET

 Associated Lab Samples:
 5019629001, 5019629002, 5019629003, 5019629004, 5019629005

METHOD BLANK: 219714 Matrix: Solid

Associated Lab Samples: 5019629001, 5019629002, 5019629003, 5019629004, 5019629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/08/08 10:01	
Barium	mg/kg	ND	2.0	10/08/08 10:01	
Cadmium	mg/kg	ND	2.0	10/08/08 10:01	
Chromium	mg/kg	ND	2.0	10/08/08 10:01	
Lead	mg/kg	ND	2.0	10/08/08 10:01	
Selenium	mg/kg	ND	2.0	10/08/08 10:01	
Silver	mg/kg	ND	2.0	10/08/08 10:01	

LABORATORY CONTROL SAMPLE: 219715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	53.5	107	85-118	
Barium	mg/kg	50	52.6	105	84-118	
Cadmium	mg/kg	50	51.4	103	83-115	
Chromium	mg/kg	50	53.2	106	82-117	
Lead	mg/kg	50	51.8	104	83-116	
Selenium	mg/kg	50	49.8	100	82-116	
Silver	mg/kg	25	26.4	106	77-123	

MATRIX SPIKE & MATRIX SP	PIKE DUPLICAT	E: 21971	6		219717							
			MS	MSD								
	50	019612002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	4.2	60.4	61	62.5	53.8	96	81	70-127	15	20	
Barium	mg/kg	93.7	60.4	61	151	139	95	74	60-140	8	20	
Cadmium	mg/kg	ND	60.4	61	50.7	47.5	84	78	65-120	7	20	
Chromium	mg/kg	15.9	60.4	61	71.1	65.4	91	81	60-130	8	20	
Lead	mg/kg	8.3	60.4	61	61.2	56.2	88	78	60-140	9	20	
Selenium	mg/kg	ND	60.4	61	51.0	46.6	84	75	60-130	9	20	
Silver	mg/kg	ND	30.2	30.5	27.3	25.6	90	84	70-130	6	20	

Date: 10/17/2008 09:02 AM REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd.

Pace Project No.: 5019629

QC Batch: MERP/1836 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 5019629001, 5019629002, 5019629003, 5019629004, 5019629005

METHOD BLANK: 219990 Matrix: Solid

Associated Lab Samples: 5019629001, 5019629002, 5019629003, 5019629004, 5019629005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Mercury mg/kg ND 0.33 10/08/08 15:13

LABORATORY CONTROL SAMPLE: 219991

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.51 103 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 219992 219993

MS MSD 5019612002 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 50-150 20 Mercury mg/kg ND .6 .62 0.65 0.67 103 103 3





Project: 2600 Duncan Rd.

Pace Project No.: 5019629

QC Batch: OEXT/9770 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5019629001, 5019629002, 5019629003, 5019629004, 5019629005

METHOD BLANK: 220492 Matrix: Solid

Associated Lab Samples: 5019629001, 5019629002, 5019629003, 5019629004, 5019629005

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

TPH-ERO mg/kg ND 10.0 10/09/08 15:39 n-Pentacosane (S) % 88 45-170 10/09/08 15:39

LABORATORY CONTROL SAMPLE: 220493

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers TPH-ERO mg/kg 83.3 68.3 82 41-139 n-Pentacosane (S) % 95 45-170

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 220494 220495

	50	019600002	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
TPH-ERO	mg/kg	31.8	90.4	90.4	88.3	93.8	62	69	40-146	6	20	
n-Pentacosane (S)	%						82	94	45-170		20	







Project: 2600 Duncan Rd.

Pace Project No.: 5019629

QC Batch: PMST/2992 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019629001, 5019629002, 5019629003, 5019629004, 5019629005

SAMPLE DUPLICATE: 221068

5019610001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 16.5 Percent Moisture 16.1 3 5

SAMPLE DUPLICATE: 221069

		5019717006	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	12.2	12.5	3	5	





Project: 2600 Duncan Rd.

Pace Project No.: 5019629

METHOD BLANK: 223450

QC Batch: GCV/5718

QC Batch Method: EPA 8015 Mod Pur

Associated Lab Samples: 5019629001

Analysis Method: EPA 8015 Mod Pur Analysis Description: 8015 Solid GCV

Matrix: Solid

Associated Lab Samples: 5019629001

Blank Reporting Limit Qualifiers Parameter Units Result Analyzed Gasoline Range Organics ND 1.0 10/15/08 21:32 mg/kg 4-Bromofluorobenzene (S) % 72 40-159 10/15/08 21:32

LABORATORY CONTROL SAMPLE: 223451

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Gasoline Range Organics	mg/kg	10	8.6	86	79-128	
4-Bromofluorobenzene (S)	%			100	40-159	





Project: 2600 Duncan Rd.

Pace Project No.: 5019629

QC Batch: GCV/5719 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 Solid GCV

Associated Lab Samples: 5019629002, 5019629003, 5019629004, 5019629005

METHOD BLANK: 223452 Matrix: Solid

Associated Lab Samples: 5019629002, 5019629003, 5019629004, 5019629005

Blank Reporting

ParameterUnitsResultLimitAnalyzedQualifiersGasoline Range Organicsmg/kgND1.010/16/08 05:44

4-Bromofluorobenzene (S) % 76 40-159 10/16/08 05:44

LABORATORY CONTROL SAMPLE: 223453

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Gasoline Range Organics	mg/kg	10	8.4	84	79-128	
4-Bromofluorobenzene (S)	%			98	40-159	







QUALIFIERS

Project: 2600 Duncan Rd.

Pace Project No.: 5019629

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Date: 10/17/2008 09:02 AM

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical"

1185452 Pace Project No./ Lab I.D. (N/A) DRINKING WATER Samples Intac 60/693 SAMPLE CONDITIONS 2688 OTHER ફ્ર (N/Y) Sealed Cool Custody Received on Ice (Y/N) GROUND WATER Residual Chlorine (Y/N) 5.8(33)800 O° ni qmeT Page: REGULATORY AGENCY RCRA Requested Analysis Filtered (Y/N) WIE X SO STATE Site Location DATE NPDES UST Kasalle PARO ACCEPTED BY (AFFILIATION 9 10 1911 N/A Ofher ~ Walkers Methanol Preservatives Na₂S₂O₃ NaOH HCI Invoice Information: EONH Company Name [†]OS^zH Pace Quote Reference: Pace Project Manager: Pace Profile #: Section C Unpreserved TIME Address: W/W \$ 8 Attention: # OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION 59/90/0 DATE *6*:36 8:01/30/0) 05/11/30/81 00:E1 99/9 90/4/1 39/0/ TIME COMPOSITE END/GRAB **3**0/01 COLLECTED 282 UNN CEL N. C24, 15 RELINQUISHED BY / AFFILIATION **ラクン** 計かり TIME COMPOSITE START DATE 009 Section B Required Project Information: DOINDUGA Report To: Brad Chain 20/30 PORTO 915 ٥ SAMPLE TYPE Purchase Order No.: ر Project Name: Project Number (see valid codes to left) MATRIX CODE Copy To: N WY WW PP SP PW TS AR PP Matrix Codes MATRIX / CODE Drinking Water Water Waste Water Soll/Solid Oil Whoe Air Tissue Other By Eure J@ Inmcowalnow Standard ADDITIONAL COMMENTS (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE Indianavolis SAMPLE ID Section A Required Client Information: Required Client Information Requested Due Date/TAT: Company: 1/1/17 چار پر Sidena d Bull S C Section D Phone: 7 1 Address: -**5** £ # M3TI ~ 9 언

Milese M. K.)

DATE Signed

(MMXDDYY): **Important Nate: By Apparing the form you are accepting Packe's NET 30 cay payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Johovan

PRINT Name of SAMPLER: SIGNATURE of SAMPLER: F-ALL-Q-020rev.07, 15-May-2007

Sal	libie (CON	alttor	i Upon Receipt		
Pace Analytical Client Name	: 1	<u>11</u>	4_		Project #	5019 629
	\					
Courier: Fed Ex UPS USPS Clief	ht 🗆 o	Comm	ercial	Pace Other	2000 (2.30 (2.70)	(all course seed on sever
Tracking #:				•	F (c)	Cue Date no de Caro de al N Name de la Caro de Caro
Custody Seal on Cooler/Box Present: yes		10	Seals	s intact:	☐ no	
Packing Material: Bubble Wrap, Bubble	Bags		lone	-Other		
Thermometer Used 133+56	Туре	of Ice:	: {Wet	Blue None	Samples on ice,	cooling process has begun
Cooler Temperature	Biolo	gical '	Tissue	is Frozen: Yes No	Date and Ini	lals of person examining
Temp should be above freezing to 6°C				Comments:	contents:_	10.16.81G
Chain of Custody Present:		□No	□n/A	1.		
Chain of Custody Filled Out:	Pes	□No	□n/a	2.		
Chain of Custody Relinquished:	Yes	□No	□n/a	3.		
Sampler Name & Signature on COC:	ÆRyes.	□No	□n/a	4.		
Samples Arrived within Hold Time:	Pes	□No	□n/a	5		- Q
Short Hold Time Analysis (<72hr):	A Yes	□No	□n/a	6. RED.	terraco	le Kito
Rush Turn Around Time Requested:	□Yes	□No	(DNA	7.		
Sufficient Volume:	N Yes) □N°	\ _{□N/A}	8.		
Correct Containers Used:	Yes	□No	□n/a	9.		
-Pace Containers Used:	ALL SERVICES	□No	□n/A			
Containers Intact:	ElYes	□No	□n/a	10.		
Filtered volume received for Dissolved tests	□Yes	□No	ZINA	P ₁₁ .		
Sample Labels match COC:	Yes	□No	∏N/A	12.		
-includes date/time/ID/Analysis Matrix:	<u> </u>		_			
All containers needing preservation have been checked.	□Yes	□No	DNA	13.		
All containers needing preservation are found to be in	□Yes					
compliance with EPA recommendation.	1168	LINO	WINIA			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	□Yes	□No	,	initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	□Yes	□No	DINA	14.		
Headspace in VOA Vials (>6mm):	□Yes	□No	KIAC			
Trip Blank Present:	□Yes	□No	AMIX		<u> </u>	
Trip Blank Custody Seals Present	□Yes	□No	DINA			
Pace Trip Blank Lot # (if purchased):		(
Client Notification/ Resolution:						
Person Contacted:			Date/	Timo	Field Data Requir	ed? Y / N
Comments/ Resolution:			Date			
				· · · - · · · · · · · · · · · · · · · ·		
Project Manager Review:				AV	Date:	0/4/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)





October 18, 2008

Mr. Brad Gentry IWM Consulting 7428 Rockville Road Indianapolis, IN 46214

RE: Project: 2600 Duncan Rd.

Pace Project No.: 5019709

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures







SAMPLE SUMMARY

Project: 2600 Duncan Rd.

Pace Project No.: 5019709

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5019709001	STOCKPILE 5	Solid	10/08/08 11:30	10/08/08 16:36







SAMPLE ANALYTE COUNT

Project: 2600 Duncan Rd.

Pace Project No.: 5019709

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5019709001	STOCKPILE 5	ASTM D2974-87	RAK	1
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8015 Mod Ext	RRB	2
		EPA 8015 Mod Pur	CEC	2





Project: 2600 Duncan Rd.

Pace Project No.: 5019709

Mercury

Percent Moisture
Percent Moisture

Sample: STOCKPILE 5	Lab ID: 501	9709001	Collected: 1	0/08/0	8 11:30	Received: 10	/08/08 16:36 N	fatrix: Solid	
Results reported on a "dry-weig	ht" basis								
Parameters	Results	Units	Report L	_imit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Met	nod: EPA 80	015 Mod Ext P	repara	tion Met	thod: EPA 3546			
TPH-ERO	15.1 mg	g/kg		10.7	1	10/13/08 19:55	10/14/08 19:53		
n-Pentacosane (S)	78 %		45	5-170	1	10/13/08 19:55	10/14/08 19:53	629-99-2	
8015 GRO 5035	Analytical Met	nod: EPA 80	015 Mod Pur						
Gasoline Range Organics	ND m	g/kg		1.1	1		10/17/08 06:07		
4-Bromofluorobenzene (S)	90 %		40	-159	1		10/17/08 06:07	460-00-4	
6010 MET ICP	Analytical Met	nod: EPA 60	010 Preparation	n Meth	od: EPA	A 3050			
Arsenic	7.5 mg	g/kg		1.9	1	10/13/08 00:00	10/14/08 17:02	7440-38-2	
Barium	51.5 mg	g/kg		1.9	1	10/13/08 00:00	10/14/08 17:02	7440-39-3	
Cadmium	ND m	g/kg		1.9	1	10/13/08 00:00	10/14/08 17:02	7440-43-9	
Chromium	11.1 mg	g/kg		1.9	1	10/13/08 00:00	10/14/08 17:02	7440-47-3	
Lead	18.6 mg	g/kg		1.9	1	10/13/08 00:00	10/14/08 17:02	7439-92-1	
Selenium	ND m	g/kg		1.9	1	10/13/08 00:00	10/14/08 17:02	7782-49-2	
Silver	ND m	g/kg		1.9	1	10/13/08 00:00	10/14/08 17:02	7440-22-4	
7471 Mercury	Analytical Met	nod: EPA 74	171 Preparation	n Meth	od: EPA	A 7471			

0.36

0.10

1

10/10/08 00:00 10/13/08 15:45 7439-97-6

10/15/08 17:51

ND mg/kg

6.3 %

Analytical Method: ASTM D2974-87

Date: 10/18/2008 01:54 PM

REPORT OF LABORATORY ANALYSIS





Project: 2600 Duncan Rd.

Pace Project No.: 5019709

METHOD BLANK: 221125

Mercury

QC Batch: MERP/1842
QC Batch Method: EPA 7471

Associated Lab Samples: 5019709001

Analysis Method: EPA 7471
Analysis Description: 7471 Mercury

Matrix: Solid

Associated Lab Samples: 5019709001

 Parameter
 Units
 Blank Reporting Result
 Limit
 Analyzed
 Qualifiers

 mg/kg
 ND
 0.33
 10/13/08 15:02

LABORATORY CONTROL SAMPLE: 221126

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg 0.51 102 85-119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 221127 221128

MS MSD MS 5019721006 Spike Spike MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 50-150 5 20 Mercury ND .53 .51 0.56 0.54 104 102 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 221129 221130

MS MSD MS MSD MS MSD Max 5019727001 Spike Spike % Rec Parameter RPD Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual Mercury ND .54 .51 0.62 0.60 100 99 50-150 3 20 mg/kg





Project: 2600 Duncan Rd.

Pace Project No.: 5019709

QC Batch: MPRP/3571 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 5019709001

METHOD BLANK: 222024 Matrix: Solid

Associated Lab Samples: 5019709001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/14/08 16:51	
Barium	mg/kg	ND	2.0	10/14/08 16:51	
Cadmium	mg/kg	ND	2.0	10/14/08 16:51	
Chromium	mg/kg	ND	2.0	10/14/08 16:51	
Lead	mg/kg	ND	2.0	10/14/08 16:51	
Selenium	mg/kg	ND	2.0	10/14/08 16:51	
Silver	mg/kg	ND	2.0	10/14/08 16:51	

LABORATORY CONTROL SAMPLE: 222025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.0	104	85-118	
Barium	mg/kg	50	48.9	98	84-118	
Cadmium	mg/kg	50	51.4	103	83-115	
Chromium	mg/kg	50	51.5	103	82-117	
Lead	mg/kg	50	52.0	104	83-116	
Selenium	mg/kg	50	49.7	99	82-116	
Silver	mg/kg	25	24.6	98	77-123	

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 22202	6		222027							
_	_	019748014	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	5.8	53.5	54	50.3	50.4	83	83	70-127	0	20	
Barium	mg/kg	24.1	53.5	54	63.2	73.7	73	92	60-140	15	20	
Cadmium	mg/kg	ND	53.5	54	40.1	39.7	75	73	65-120	1	20	
Chromium	mg/kg	9.2	53.5	54	48.0	46.8	72	70	60-130	2	20	
Lead	mg/kg	5.9	53.5	54	48.3	47.3	79	76	60-140	2	20	
Selenium	mg/kg	ND	53.5	54	44.8	43.8	83	80	60-130	2	20	
Silver	ma/ka	ND	26.7	27	23.4	22.8	87	84	70-130	2	20	

Date: 10/18/2008 01:54 PM REPORT OF LABORATORY ANALYSIS

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Project: 2600 Duncan Rd.

Pace Project No.: 5019709

QC Batch: OEXT/9849
QC Batch Method: EPA 3546

Analysis Method: EPA
Analysis Description: EPA

EPA 8015 Mod Ext EPA 8015 Modified

Associated Lab Samples: 5019709001

METHOD BLANK: 222327 Matrix: Solid

Associated Lab Samples: 5019709001

Blank Reporting Limit Qualifiers Parameter Units Result Analyzed TPH-ERO ND 10.0 10/14/08 19:39 mg/kg n-Pentacosane (S) % 77 45-170 10/14/08 19:39

LABORATORY CONTROL SAMPLE: 222328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-ERO	mg/kg	83.3	55.1	66	41-139	
n-Pentacosane (S)	%			78	45-170	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 222329 222330

	5	019711015	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
TPH-ERO n-Pentacosane (S)	mg/kg %	ND	93.2	93.2	54.7	53.7	48 70	47 68	40-146 45-170	2	20 20	
in Chacosane (O)	70						70	00	43 170		20	







Project: 2600 Duncan Rd.

Pace Project No.: 5019709

QC Batch: PMST/3004 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5019709001

SAMPLE DUPLICATE: 223022

5019854001 Dup Max
Parameter Units Result Result RPD RPD Qualifiers

Percent Moisture % 7.8 7.8 0 5

SAMPLE DUPLICATE: 223023

5019854015 Dup Max RPD RPD Parameter Units Result Result Qualifiers Percent Moisture % 6.7 6.5 2 5





2600 Duncan Rd. Project:

Pace Project No.: 5019709

METHOD BLANK: 223936

QC Batch: GCV/5734 QC Batch Method: EPA 8015 Mod Pur

Associated Lab Samples: 5019709001 Analysis Method: EPA 8015 Mod Pur Analysis Description: 8015 Solid GCV

Matrix: Solid

Associated Lab Samples: 5019709001

Blank Reporting Limit Parameter Units Result Qualifiers Analyzed Gasoline Range Organics ND 10/17/08 05:00 mg/kg 1.0 % 4-Bromofluorobenzene (S) 78 40-159 10/17/08 05:00

LABORATORY CONTROL SAMPLE: 223937

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Gasoline Range Organics mg/kg 10 8.9 89 79-128 4-Bromofluorobenzene (S) % 101 40-159

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 223938 223939

MSD MS 5019711015 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Gasoline Range Organics mg/kg ND 8.6 9.2 4.7 4.9 50 49 40-135 5 20 4-Bromofluorobenzene (S) % 88 85 40-159 20







QUALIFIERS

Project: 2600 Duncan Rd.

Pace Project No.: 5019709

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Date: 10/18/2008 01:54 PM

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

REPORT OF LABORATORY ANALYSIS

Page 10 of 10



Pace Analytical *

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

246514 Pace Project No./ Lab I.D. DRINKING WATER SAMPLE CONDITIONS 5019709 OTHER ₽ 00 GROUND WATER Residual Chlorine (Y/N) Page: REGULATORY AGENCY RCRA Requested Analysis Filtered (Y/N) TIME NPDES Site Location STATE DATE UST x 50) **VEFILIATION** 1 240 11 Î N /A Other Methanol EOSSSN Preservatives NaOH HCI Invoice Information: Company Name: DS2H Reference: Pace Project Manager: Pace Profile #: 2 Section C Pace Quote Unpreserved Address: # OF CONTAINERS SAMPLE TEMP AT COLLECTION \$0/59/Q DATE に対 TIME COMPOSITE END/GRAB 80/0 DATE COLLECTED 18 606 UNACAN RELINQUISHED BY / AFFILIATION TIME COMPOSITE START DATE ৸৹৸৹৴৸৵ Required Project Information RVad (G=GRAB C=COMP) SAMPLE TYPE Purchase Order No.: (see valid codes to left) roject Name: Project Number MATRIX CODE Report To: Section B Sopy To: MW WY TS AR PP WW Matrix Codes
MATRIX / CODE Drinking Water Water Waste Water Product Soll/Solid baenthu@iwm consulta Air Tissue Other oil Wipe Standard onsultin ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE Trojanapolis/Tr SAMPLE ID Required Client Information Section A Required Client Information: 制ナムカとく equested Due Date/TAT: ddress: 7428 Company: TW/ 7507 Section D 2 13 Ç 10 ဖ œ G) # MƏTI

ms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days. "Important Note: By signing this form you are a

(N/X)

Samples Intact

(N/A) Custady Sealed Cooler

Ice (Y/N)

Received on

O° ni qmeT

80/80/0

DATE Signed (MM/DD/YY):

PRINT Name of SAMPLER: DOMOVUM WILLSYNSK

SIGNATURE of SAMPLER:

SAMPLER NAME AND SIGNATURE

ORIGINAL

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt Client Name: Project # 5019709 Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: ☐ yes no Custody Seal on Cooler/Box Present: Seals intact: ☐XNone _ ☐ Other Packing Material: Bubble Wrap ☐Bubble Bags Type of Ice: Wet / Blue None Samples on ice, cooling process has begun Thermometer Used Date and Initials of person examining Biological Tissue is Frozen: Yes (No.) Cooler Temperature Temp should be above freezing to 6°C Comments: XYes □No □N/A 1 Chain of Custody Present: Yes □No □N/A Chain of Custody Filled Out: ZÍYes □No □N/A Chain of Custody Relinquished: Zives Ono On/A 4. Sampler Name & Signature on COC: Ól⊻és □No □N/A Samples Arrived within Hold Time: X[Yes □No Short Hold Time Analysis (<72hr): □N/A □Yes \UNo Rush Turn Around Time Requested: □n/A ⊠Yes /□No □N/A Sufficient Volume: ĎQYes ∐No □n/A Correct Containers Used: ĎDyfes ⊟No -Pace Containers Used: □N/A ⊠Yes ∐No Containers Intact: □N/A 10. ☐Yes ☐No MN/A 111. Filtered volume received for Dissolved tests XYes □No □N/A 12. Sample Labels match COC: -Includes date/time/ID/Analysis All containers needing preservation have been checked. □Yes □No All containers needing preservation are found to be in ☐Yes ☐No compliance with EPA recommendation. Lot # of added Initial when ☐Yes (ŽNuo) exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) completed preservative ☐Yes ☐No 14. Samples checked for dechlorination: □Yeş □No Headspace in VOA Vials (>6mm): 15. ☐Yes ☐No 16. Trip Blank Present: ☐Yes ☐No Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased):_ Client Notification/ Resolution: Field Data Required? Y / N Person Contacted: Date/Time: Comments/ Resolution:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Project Manager Review:





October 21, 2008

Mr. Brad Gentry IWM Consulting 7428 Rockville Road Indianapolis, IN 46214

RE: Project: 2600 Duncan Road

Pace Project No.: 5020008

Dear Mr. Gentry:

Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com Project Manager

Illinois/NELAC Certification Number: 100418 Indiana Certification Number: C-49-06 Kansas Certification Number: E-10247 Kentucky Certification Number: 0042

Ohio VAP: CL0065 Pennsylvania: 68-00791

West Virginia Certification Number: 330

Enclosures







SAMPLE SUMMARY

Project: 2600 Duncan Road

Pace Project No.: 5020008

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5020008001	Background NE	Solid	10/20/08 08:00	10/20/08 13:48
5020008002	Background NW	Solid	10/20/08 08:00	10/20/08 13:48
5020008003	Background SW	Solid	10/20/08 08:00	10/20/08 13:48







SAMPLE ANALYTE COUNT

Project: 2600 Duncan Road

Pace Project No.: 5020008

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5020008001	Background NE	ASTM D2974-87	ILP	1
		EPA 6010	FRW	1
5020008002	Background NW	ASTM D2974-87	ILP	1
		EPA 6010	FRW	1
5020008003	Background SW	ASTM D2974-87	ILP	1
		FPA 6010	FRW	1





10/20/08 14:40



ANALYTICAL RESULTS

Project: 2600 Duncan Road

Pace Project No.: 5020008

Percent Moisture

Sample: Background NE Lab ID: 5020008001 Collected: 10/20/08 08:00 Received: 10/20/08 13:48 Matrix: Solid

16.4 %

Results reported on a "dry-weight	" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Met	hod: EPA 601	0 Preparation Me	thod: EF	PA 3050			
Arsenic	8.4 m	g/kg	2.3	1	10/20/08 00:00	10/21/08 10:22	7440-38-2	
Percent Moisture	Analytical Met	hod: ASTM D	2974-87					

0.10 1

Date: 10/21/2008 03:36 PM







ANALYTICAL RESULTS

Project: 2600 Duncan Road

Pace Project No.: 5020008

Sample: Background NW Lab ID: 5020008002 Collected: 10/20/08 08:00 Received: 10/20/08 13:48 Matrix: Solid

Results reported on a "dry-wei	ght" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	thod: EPA 601	0 Preparation Met	hod: EF	PA 3050			
Arsenic	2.8 m	ng/kg	2.1	1	10/20/08 00:00	10/21/08 10:28	7440-38-2	
Percent Moisture	Analytical Me	thod: ASTM D	2974-87					
Percent Moisture	4.3 %	, D	0.10	1		10/20/08 14:41		

Date: 10/21/2008 03:36 PM

REPORT OF LABORATORY ANALYSIS

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10/20/08 14:41



ANALYTICAL RESULTS

Project: 2600 Duncan Road

Pace Project No.: 5020008

Percent Moisture

14.4 %

Results reported on a "dry-weight"	" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	thod: EPA 601	0 Preparation Met	thod: EF	PA 3050			
Arsenic	8.6 m	ng/kg	2.2	1	10/20/08 00:00	10/21/08 10:33	7440-38-2	
Percent Moisture	Analytical Me	thod: ASTM D	2974-87					

0.10 1

Date: 10/21/2008 03:36 PM

REPORT OF LABORATORY ANALYSIS





QUALITY CONTROL DATA

Project: 2600 Duncan Road

Pace Project No.: 5020008

QC Batch: MPRP/3600 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 5020008001, 5020008002, 5020008003

METHOD BLANK: 224451 Matrix: Solid

Associated Lab Samples: 5020008001, 5020008002, 5020008003

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Arsenic mg/kg ND 2.0 10/21/08 09:19

LABORATORY CONTROL SAMPLE: 224452

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Arsenic mg/kg 50 51.5 103 85-118

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 224453 224454

MS MSD 5019747081 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 47.9 70-127 20 Arsenic mg/kg 11.1 54.8 52.2 53.6 78 71 11

Date: 10/21/2008 03:36 PM







QUALITY CONTROL DATA

Project: 2600 Duncan Road

Pace Project No.: 5020008

QC Batch: PMST/3021 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5020008001, 5020008002, 5020008003

SAMPLE DUPLICATE: 224621

5020008001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 16.4 Percent Moisture 17.0 4 5

Date: 10/21/2008 03:36 PM







QUALIFIERS

Project: 2600 Duncan Road

Pace Project No.: 5020008

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Date: 10/21/2008 03:36 PM

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

REPORT OF LABORATORY ANALYSIS

Page 9 of 9



CHAIN-OF-CUSTODY / Analytical Request Document.

Pace Analytical"	The Chain-of-Custody is a	The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.	ad accurately.
Section A	Section B	Section C	SH Page: of
Required Client Information:	Required Project Information:	Invoice Information:	
Company: NM Cousu + nc	Reporto: Brak Contru	Attention:	12496
Address: 7429 Rolling Rd	Copy To:	Company Name:	REGULATORY AGENCY
In I anabais IN		Address:	F NPDES F GROUND WATER F DRINKING WAT
Email Tot A PW TWG I WM GINSUFF CONTROL Order No.:	Purchase Order No.:	Pace Quote Reference:	Γ UST Γ RCRA Γ OTHER
Phone: 318-74-1/11 Fax:	Project Name: 2600 Unit. Clin Li	Pace Project Manager	Site Location
Requested Due Date/TAT: A SAY (24 HV)	Project Number:	Pace Profile #	STATE

Ë	Email To 3 Gom the Wording Purchase Order No.:	Purchase Order	. No					Pace Quote Reference:	Suote						T UST		F RCRA	≴		T OTHER	<u>«</u>	
Pho	Phone: 318-347-1/1 Fax:	Project Name:	Z	8	Juncan	, LA		Pace. Manag	Pace Project Manager:						Site Location	cation						
\%	TASA"	24 HV Project Number:						Pace	Pace Profile #:		<u> </u> :	. .			Ŋ	STATE		.]	ı			
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Custody Seaf on Cooler/Box Present: yes	Courier: Fed Ex UPS Tracking #:	USPS Client	: 🗆 0	Comme	ercial	Pace Oth	ner	Ricol	P(r(c) 0):\(c)	
Tripe of Ice: (Wg) Blue Change Samples on Ice, cooling process has begun Biological Tissue Is Frozen: (Yes No Contents) Date and Intiple of beta a	Custody Seal on Cooler/Box F	Present: yes	 ✓ r	10	Seals	intact:	yes 🖒	no Proj	Name	
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Sampler Name & Signature on COC: Short Hold Time Analysis (<72hr): Sught Hold Time A	Chain of Custody Filled Out:		Yes	□No	□n/A	2.		····		
Samples Arrived within Hold Time: Short Hold Time Analysis (<72hr): Short Hold Time Analysis (<72hr): Pyes Dip Divid 6. Rush Turn Around Time Requested: Sufficient Volume: Sufficient Volume: Correct Containers Used: -Pace Containers Intact: Filtered volume received for Dissolved tests Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: All containers needing preservation have been checked. All containers needing preservation are found to be in compliance with EPA recommendation. All containers Needing preservation are found to be in compliance with EPA recommendation. All containers Needing preservation are found to be in compliance with EPA recommendation.	Chain of Custody Relinquished:		XIYes	□No	□n/a	3.				
Short Hold Time Analysis (<72hr):	Sampler Name & Signature on (COC:	Yes	□No	□N/A	4				
Rush Turn Around Time Requested: Sufficient Volume: Correct Containers Used: -Pace Containers Used: -Pace Containers Used: Containers Intact: Filtered volume received for Dissolved tests Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: All containers needing preservation have been checked. All containers needing preservation are found to be in compliance with EPA recommendation. Samples checked for dechlorination: Headspace in VOA Vials (>6mm): Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased): Consequents (Pacsitation Resolution: Person Contacted: Date/Time: Consequents (Pacsitation Pacsitation) All Samples Containers needing preservation are found to be in completed. Date/Time: Supplementation: Date/Time: Supplementation: Date/Time: Supplementation: Date/Time:	Samples Arrived within Hold Tin	ne:	ZYgs_	□No	□N/A	5.				
Sufficient Volume: Correct Containers Used: -Pace Containers Used: -Pace Containers Used: Pace Containers Intact: Container	Short Hold Time Analysis (<72	?hr):	□Yes	<u> </u>	□n/a	6.				
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-Pace Containers Used: Containers Intact: Containers Intainers Intaction Intaction Intia	Sufficient Volume:		Yes	□No	□n/a	8.				
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Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: All containers needing preservation have been checked. All containers needing preservation are found to be in compliance with EPA recommendation.	Containers Intact:		√Yes	□No_	□n/a	10.				
-Includes date/time/ID/Analysis Matrix: All containers needing preservation have been checked. All containers needing preservation are found to be in compliance with EPA recommendation. Exceptions: VOA, colliform, TOC, O&G, WI-DRO (water) Samples checked for dechlorination: Headspace in VOA Vials (>6mm): Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time:	Filtered volume received for Dis-	solved tests	□Yes	□No	DINA	11.				
All containers needing preservation have been checked. All containers needing preservation are found to be in compliance with EPA recommendation. Exceptions: VOA, colliform, TOC, O&G, WI-DRO (water) Samples checked for dechlorination: Headspace in VOA Vials (>6mm): Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time:	Sample Labels match COC:		es	□No	DN/A	12.				
All containers needing preservation are found to be in compliance with EPA recommendation. Yes			/S(<u>N</u>						•
compliance with EPA recommendation. Yes No Initial when Lot # of added preservative	All containers needing preservation ha	ve been checked.	□Yes	□No ,	N/A	13.				
exceptions: VOA, colliform, TOC, O&G, WI-DRO (water) Samples checked for dechlorination: Headspace in VOA Vials (>6mm): Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time:	All containers needing preservation compliance with EPA recommendati	are found to be in on.	□Yes	□ _{No} \						
Headspace in VOA Vials (>6mm):	exceptions: VOA, collform, TOC, O&G, W	/I-DRO (water)	□Yes \							
Trip Blank Present: Yes No N/A 16. Trip Blank Custody Seals Present Yes No N/A Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time: Dat	Samples checked for dechlorina	tion:	□Yes	□No	Ž _W	14.	_			
Trip Blank Custody Seals Present	Headspace in VOA Vials (>6mn	n):	□Yes	□N°/		15.				
Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Person Contacted: Date/Time:	Trip Blank Present:		□Yes	DN01	KTW.	16.				
Client Notification/ Resolution: Field Data Required? Y / N Person Contacted: Date/Time:	Trip Blank Custody Seals Preser	nt	□Yes	□No Ì	AVA		•		•	
Person Contacted: Date/Time:	Pace Trip Blank Lot # (if purchas	sed):								
Person Contacted: Date/Time:	Client Notification/ Resolution	:	· ·					Field Data Requi	red?	Y / N
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Project Manager Review:	Project Manager Review	•			·····		A	Defe	10/20	108

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

APPENDIX I IWM CONSULTING PERSONNEL QUALIFICATIONS



SENIOR PROJECT MANAGER

Professional Qualifications:

Mr. Gentry has approximately 14 years of professional experience in environmental consulting and has been located in the Indianapolis, Indiana office for over 10 years. Mr. Gentry is a qualified All Appropriate Inquiry (AAI) Environmental Professional. His responsibilities include coordination and supervision of lower level staff members, report review, and development of site and state specific work plans and budgets.

Mr. Gentry performed portfolio management for a Major Oil company in the State of Indiana. Consequently, Mr. Gentry was the lead regulatory negotiator, the primary contact for retail remediation work, and performed financial tracking for approximately 120 retail gasoline stations and three bulk terminals.

Mr. Gentry's technical experience includes supervising and conducting site assessments, supervising, installing, and performing operation and maintenance activities on various types of remedial systems (combination air sparge & soil vapor extraction, dual phase extraction, oxygen infusion, and groundwater pump and treat), conducting soil gas surveys, RISC Trend Modeling, and financial tracking.

Education:

Bachelor of Arts, Geology, Hanover College, 1994 29 CFR 1910.120 40 Hour OSHA Health and Safety Training ASTM Risk-Based Corrective Action Training for Petroleum Sites – Oct. 2005

Licensed Professional Geologist, State of Indiana - LPG #2165 Professional Geologist, State of Kentucky – Registration #KY- 2378 Professional Geologist, State of Pennsylvania – Registration #4699 Certified UST Professional, State of Michigan – CP #1082

Project Experience:

Phase I ESA Area Survey

Mr. Gentry acted as a senior project manager for these projects and participated in work scope development, data evaluation, and report preparation. The purpose of the Area Surveys was to identify Brownfield Sites and Active Potential Sites of Concern.

Greater Lafayette Community Development Corporation: IWM Consulting completed a Phase I ESA Area Survey of properties within the Wabash River Corridor. The area encompasses approximately 2,000 acres and incorporates approximately 260 individual land parcels. This information was gathered within a 45-day time period and presented to the GLCDC. The funding for this Area Survey was provided by an USEPA Brownfield Grant.

Irvington Development Organization: IWM Consulting completed a Phase I ESA Area Survey encompassing a 110 square acre area, which included over 250 parcels. This information was gathered within a 60-day time period and presented to the Irvington Development Organization. IWM Consulting, in conjunction with the Irvington Development Organization, developed a Final Priority Site List and subsequently completed AAI-compliant Phase I ESA reports. The funding for this Area Survey was provided by an USEPA Brownfield Grant.

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<u>City of Indianapolis:</u> IWM Consulting was retained by the City of Indianapolis to complete a Phase I ESA Area Survey over a 520 square acre area, which included over 1,800 parcels. The purpose of the Area Survey was to identify Brownfield sites and Active Potential Sites of Concern. This information was gathered within a 30-day time period and presented to the City of Indianapolis. The funding for this Area Survey was provided by an USEPA Brownfield Grant. Mr. Gentry acted as the primary Point of Contact for this project and participated in the data evaluation and field activities.

• Phase I Environmental Assessments

Mr. Gentry has supervised and provided final QA/QC review of approximately 50 Phase I Environmental Assessments at various residential and commercial properties throughout Indiana and Illinois. Mr. Gentry has also managed a large scale (23) Real Estate Transaction Screening due diligence project that required the work to be completed within a one month turnaround time.

• Phase II Environmental Assessments

Mr. Gentry has conducted and/or supervised over 250 Phase II site assessments utilizing various site investigation methodologies.

• US EPA Phase II Site Investigations

Mr. Gentry has directed and completed three US EPA Phase II Site Investigations. The US EPA Region 5 directed Phase II site investigations included the preparation, submittal, and approval of a Quality Assurance Project Plan (QAPP) for the subsurface investigation of three industrial Brownfield properties located in Lafayette, Indiana.

• Bedrock Investigation and Remediation Experience

Supervised the installation of several monitoring wells completed in bedrock. Additionally, Mr. Gentry analyzed data collected during a dual phase extraction pilot study at the retail petroleum LUST site and provided recommendations for the design of a mobile remediation unit.

Managed the installation and operation of a mobile remediation unit utilized to remediate a dissolved and liquid phase hydrocarbon plume that had impacted over a dozen-residential/commercial properties. Mr. Gentry currently provides Senior level project management for this project.

Bulk Terminal Facility Management

Performed subsurface investigations at three bulk terminals and one retail gasoline service station utilizing the cone penetrometer drilling method. The investigations resulted in a re-design of the current remedial technologies saving the client approximately \$500M in remedial system upgrades.

Provided daily coordination and management activities associated with the operation and maintenance of a combination groundwater pump &

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treat (1,500 gpm +), SVE/AS, and LPH recovery system at a bulk terminal facility in northern Indiana. The project also included the quarterly sampling and reporting of over 70 private water wells (industrial and residential).

• Soil Gas Survey/Vapor Intrusion Experience

Conducted soil gas surveys at several properties in Indiana to determine if vapor intrusion risks exist at the properties. Duties included installation of soil gas sampling points, collection of soil gas samples, evaluation and modeling of the data.

• Regulatory Advocacy

Successfully negotiated reimbursement for a LUST site that previously was not reimbursable and was working under a Notice of Violation with the State of Indiana.

Successfully worked in partnership with two Major Oil companies and IDEM regarding the approval and implementation of a RISC pilot project for a co-mingled plume that has adversely affected a third party property.

Successfully obtained over 50 No Further Action letters for various LUST sites from IDEM since 1997.

Professional Affiliations:

Member, Indiana Geologists & Professional Geologists of Indiana

PROJECT MANAGER

Professional Qualifications:

Mr. Rohan is Project Manager for IWM Consulting Group, LLC (formerly Handex), located in Indianapolis, Indiana. Mr. Rohan has approximately 14 years of professional experience and is a qualified All Appropriate Inquiry (AAI) Environmental Professional. His responsibilities include preparation of technical reports (CAPs, Phase I and Phase II Site Assessments, UST Investigations, Brownfield programs and VRP investigations) and project oversight of several site characterization studies. Additional responsibilities include advocacy activities with state regulatory agencies regarding site reviews and closure.

Currently, Mr. Rohan works with City and County Economic Development Commissions to develop and write grants for potential Brownfields Stipulated Assessment Grant Incentive (SAGI) and Petroleum Remediation Grant Incentive (PRGI) site locations. Additionally, Mr. Rohan has managed four IDEM State Cleanup Division/IFA sponsored brownfield site locations one of which was a Petroleum Remediation Grant Incentive (PRGI) facility.

Education:

B.A. Biology/Business Management, Indiana University, 1989
M.S. Environmental Science, Indiana University, 1994
Certified Hazardous Materials Manager-Institute of Hazardous Materials Management
29 CFR 1910.120 40-OSHA Health and Safety Training
Indiana Asbestos Building Inspector License No. 191718081
Illinois Asbestos Professional License No. 100-10883

Project Experience:

• Phase I ESA Area Survey

Mr. Rohan acted as the Environmental Professional for these projects and participated in all aspects of the data evaluation, field activities and report preparation. The purpose of the Area Surveys was to identify Brownfield Sites and Active Potential Sites of Concern.

<u>City of Indianapolis</u>: IWM Consulting completed a Phase I ESA Area Survey encompassing a 520 square acre area, which included over 1,800 parcels. This information was gathered within a 30-day time period and presented to the City of Indianapolis. IWM Consulting, in conjunction with the City of Indianapolis, developed a Final Priority Site List and subsequently completed 20 AAI-compliant Phase I ESA reports. The funding for this Area Survey was provided by an USEPA Brownfield Grant.

<u>Irvington Development Organization</u>: IWM Consulting completed a Phase I ESA Area Survey encompassing a 110 square acre area, which included over 250 parcels. This information was gathered within a 60-day time period and presented to the Irvington Development Organization. IWM Consulting, in conjunction with the Irvington Development Organization, developed a Final Priority Site List and subsequently completed AAI-compliant Phase I ESA reports. The funding for this Area Survey was provided by an USEPA Brownfield Grant.

Greater Lafayette Community Development Corporation: IWM Consulting completed a Phase I ESA Area Survey of properties within the Wabash River Corridor. The area encompasses approximately 2,000 acres and incorporates approximately 260 individual land parcels. This information was gathered within a 45-day time period and presented to the GLCDC. The funding for this Area Survey was provided by an USEPA Brownfield Grant.

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• Phase I Environmental Site Assessments

Mr. Rohan has investigated of over 300 sites within the Midwest and Florida. Assessments were conducted at various residential or commercial/industrial facilities for due diligence purposes. Phase I Assessments included review of all applicable regulatory databases including but not limited to aerial photographs, land title records, topographic maps, city/county directories, zoning/land use records, Sanborn maps, wetland maps, wellhead protection inquires, and other pertinent records as needed. Completed over 30 Indiana Responsible Property Transfer Law Environmental Disclosure forms for Amoco Oil Company. Conducted and supervised 23 expedited Phase I ESA Transaction Screens in accordance with ASTM 1528-00.

• Phase II Site Investigations

Conducted over 75 Phase II Site Investigations at various commercial/industrial facilities throughout the Midwest region which included on-site supervision and report preparation duties. Phase II Site Investigation activities included all aspects of site coordination/scheduling, soil boring/monitoring well installation, soil/groundwater collection and submittal, and report preparation including remediation strategies.

• US EPA Phase II Site Investigations

Mr. Rohan has completed three US EPA Phase II Site Investigations. The US EPA Region 5 directed Phase II site investigations included the preparation, submittal, and approval of a Quality Assurance Project Plan (QAPP) for the subsurface investigation of three industrial Brownfield properties located in Lafayette, Indiana.

• Leaking Underground Storage Tank Responsibilities

Managed all site coordination/scheduling activities, initial site investigation work, soil boring/monitoring well installation, quarterly groundwater sampling events, remediation system operation and maintenance, soil excavation activities, in-situ bioremediation activities, and all reporting requirements for more than 25 sites.

Hazardous Waste Landfill Closure

Managed a site investigation, closure sampling program and final RCRA closure reporting of a hazardous waste landfill in Fort Wayne, Indiana. Grid sampling conducted throughout service roads/staging areas for heavy metals and other necessary constituents.

• Voluntary Remediation Program

Completed Remediation Work Plan for a former service station in Evansville, Indiana regarding petroleum impacted soil. Completed Remediation Work Plan for a dry cleaner facility in Indianapolis, Indiana with volatile organics in soil and groundwater (PCE and constituents). Currently, working on attaining Covenant Not To Sue and Certificate of Completion from the Governor's Office and IDEM for the dry cleaner VRP facility in Indianapolis, IN.

• Industrial Hygiene/Asbestos Surveys

Conducted and managed over 50 asbestos surveys at retail service stations, multiresidential units and various commercial facilities. Supervised asbestos inspection at GE facility in Bloomington, Indiana. Conduct noise testing services and personnel air monitoring at industrial facilities.

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• SPCC Plan Management

Conducted and supervised over 20 SPCC Plan modifications for a major oil company in Ohio, New York, Pennsylvania, Kentucky, West Virginia and Indiana.

• Excess Liability Trust Fund (ELTF)

Mr. Rohan has managed the Excess Liability Trust Fund (ELTF) reimbursement program for a major oil company (over 120 major oil service stations) in the state of Indiana, which has returned in excess of five million dollars to the client. Additionally, Mr. Rohan interacts and negotiates directly with the appropriate regulatory agencies to assist in the timely payment of ELTF claims.

Professional Affiliations:

Institute of Hazardous Materials Management, President Elect Indiana Geologists